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ABSTRACT

Using self-reporting instruments, a survey of 1,539 hygienists and 4,786 licensed dentists was conducted to determine (1) the current and future needs for trained dental hygienists in the state of Texas, (2) the relation of need for trained hygienists to geographical area, and (3) the implications for curtailment of programs by area. The information gathered from the survey was transferred to a master computer file and reports were generated printing the frequency distribution of responses and the percentage of responses by item. From the survey results, it was noted that training programs for dentists at both the predegree and postdegree levels in the use of dental auxiliaries and expanded functions should be strongly considered; and that a complete audit of the program for dental hygienists and the followup of the graduates of these programs should be considered immediately to determine the product accountability and continued contribution of trained hygienists to the profession. Appendix A is a sample of the hygienists survey form. Appendix B contains tables of selected characteristics and information contained in the master computer file. (SH)

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ED131307

# STATEWIDE SURVEY OF CURRENT AND FUTURE EMPLOYMENT LEVELS OF LICENSED DENTAL HYGIENISTS

FOR THE

DIVISION OF OCCUPATIONAL RESEARCH AND DEVELOPMENT

DEPARTMENT OF OCCUPATIONAL AND TECHNICAL EDUCATION

TEXAS EDUCATION AGENCY

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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# PURPOSE, OBJECTIVES, SCOPE AND CONDUCT OF SURVEY

101. PURPOSE

The Texas Education Agency, through the State's system of post-secondary education institutions, is constantly striving to provide the occupational-technical education programs that are relevant to industries needs.

In the area of Dental Hygiene, TEA is faced with a multidimensional problem since employment needs, curriculum development and optimal utilization of available resources are all factors to be considered.

Currently, there are conflicting requests for trained Dental Hygienists. One, for more trained personnel, the other for a hold on any expansion of the Dental Hygiene Program offered in the post-secondary institutions in the state. The result of these requests, is the need for reliable information in the hands of TEA to enable decision-making regarding the expansion or curtailment of the program. If there is a need for trained Dental Hygienists over and above the existing source, then TEA must be able to identify those geographic areas of the state where additional training programs will be initiated. However, if there is a surplus of Dental Hygienists, then TEA must identify those geographic areas of the State where any expansion of this program must be carefully reviewed.

102. OBJECTIVES

The objectives of this study were to determine:

1. What are the current and future needs for trained Dental Hygienists in the State of Texas.
2. If a need exists, determine how this need is related to geographical areas. Also included in this objective is the review of how this need relates and affects program development.
3. If a need does not exist, determine the implications relating to the curtailment of programs by geographical area and in program development.

In addition to the primary objectives stated above, the following secondary objectives were also accomplished:

1. A permanent data base of information about the Dentists and Dental Hygienists participating in the project is established.
2. This data base includes mailing addresses and all information provided by the participants in this project.
3. This data base allows subsequent analysis and follow-up by TEA, the Dental Association and the Dental Hygiene Association should they desire to do so.

## 103. SCOPE AND CONDUCT OF THE SURVEY

To achieve the stated objectives, it was necessary to:

1. Conduct a survey of the 1539 Hygienists and 4786 Dentists licensed by the State of Texas. The purpose of this survey was to collect meaningful data from the individuals in both populations through self-reporting instruments.
2. Identify the Hygienists and Dentists by personal identification number, county number, Texas Governor's Planning Region number, and current name and address.
3. Develop a master computer file for Hygienists and Dentists which could be updated and accessed easily and economically for subsequent record maintenance and analysis.

# SURVEY OF HYGIENISTS

## 200. SURVEY OF HYGIENISTS

### 201. INTRODUCTION

There were 1,539 licensed hygienists on the file provided by the Texas State Board of Dental Examiners and the Texas Education Agency. The data collection instrument was developed with the assistance and approval of members of the Texas Dental Hygienists' Association, Texas Dental Association, Texas State Board of Dental Examiners and the Texas Education Agency.

The hygei[illegible]ere informed of the survey through announcements at the S[illegible] Convention and announcements of various types published by the Association.

A mailing containing a letter explaining the survey, the self-reporting instrument and a post-paid return envelope was made to each hygienist on the master file.

The information received from the respondents was transferred to the master file and reports were generated printing the frequency distribution of responses and the percentage of responses by item. The Master Set of Reports and the Master File tape is in the Division of Occupational Research & Development, Texas Education Agency. A copy of the Hygienists' Survey Form is in appendix A.

Appendix B contains Tables of selected characteristics and information contained in the Master File.

202. SELECTED CHARACTERISTICS OF HYGIENISTS RESPONDING TO THE SURVEY. TABLE H.1

A total of 908 of 1539 hygienists responded, or 59.1%. The only male hygienist resides in Planning Region 01, there are no hygienists in Planning Region 15, and 15.8% live outside the State. Planning Regions 4A (27.3%) and 16 (22.0%) have 49.3% of all the hygienists in the State.

The modal age range of those hygienists responding is 25 - 29 years old, with 35.9% of those responding between 20 - 29 years old.

The marital status shows 77.5% of those responding as married.

Minorities have either not responded to this survey or are not seeking licensure as 97.6% of those responding are Caucasian.

203. HYGIENISTS WORKING PART-TIME OR FULL-TIME BY REGION. TABLE H.2

The 906 (58.8%) hygienists who responded to the question about their employment status stated that 721 (79.6%) are working

part-time or full time, 151 (16.7%) are not working and not seeking employment, and 34 (3.8%) are not working but seeking work.

204. SELECTED CHARACTERISTICS BY PROFESSIONAL STATUS. TABLE H.3

This table provides a profile for each of the "not working" and "working" categories. The expected profiles appear to be repeated: Hygienists working full-time are younger (75.9% between 20 - 29 years), smaller percentage married (64.9%), recent graduates (67.4% less than 5 years). Hygienists working part-time tend to be older (60.6% between 20 - 29 years), greater percentage married (88.8%), out of school longer (40.4% less than 5 years). Hygienists not working - not seeking are older (47.0% between 20 - 29 years), married (91.4%), out of school for greater length of time (26.1% less than 5 years). Because of the small percentage of hygienists responding "not working - but seeking", it is difficult to make profile determinations.

The mid point for current weekly income for part-time hygienists is in the $125 - $149 range and for full-time hygienists is $200 or over.

205. IDENTIFICATION OF HYGIENISTS TRAINING INSTITUTIONS. TABLE H.4

Institutions in the State of Texas have provided training for 680 (75.0%) of the 906 hygienists responding to the survey. Caruth

School of Dental Hygiene and the University of Texas Dental Branch have graduated 51.4% of the respondents.

206. TYPES OF EMPLOYMENT AND NUMBER OF DENTISTS AND PATIENTS SERVED. TABLE H.5

The majority (85.7%) of hygienists who responded as working full and part-time are employed in the Private Dental Office. Only 2.7% reported working in a City, County or State Health Agency and less than 1% reported working in an Elementary or Secondary School.

The hygienists responding who work in Private Dental Offices report that they serve approximately 1013 dentists in 870 different offices. The midpoint for the number of patients served falls in the 100 - 149 patients per month range.

207. EMPLOYMENT MOBILITY, UTILIZATION AND FUTURE EMPLOYMENT PLANS. TABLE H.6

Planning Region 16 reports the greatest percentage of hygienists remaining in the same city to work after training. Of the 778 hygienists responding, 24.8% reported staying in the same city.

The majority (53.8%) of the hygienists responding report that their training is being fully utilized. Only 39.1% report that

they have received training in Expanded Functions.

The future employment plans of 40% of the hygienists responding have been reported as "continuing work" for from 1 - 6 or more years. The remaining 60% report their plans are "uncertain".

208. CURRENT AVERAGE HOURS WORKED AND METHODS USED TO UPGRADE SKILLS. TABLE H.7

The midpoint for average hours worked falls in the "31 - 35 hours per week" range. This midpoint is for all part-time and full-time hygienists responding to the survey. The midpoint for hygienists working "part-time" is "16 - 20 hours per week" and for hygienists working "full-time" is "36 - 40 hours per week".

The hygienists responding to this survey upgrade their skills through journals, professional associations, seminars, texts and conferences. Very few attend day or evening classes, study clubs or formal classroom training.

209. HYGIENISTS SELF-REPORTING OF PROCEDURES PERFORMED. TABLE H.8

Table H.8 reports the modal ranking of responses to each of the 18 procedures listed on the survey form. The hygienists responding report that 40 hours or more per month are spent performing

prophylaxis and dental health education, instructions with the exception of radiographs (2 - 5 hours per month) all reamaining procedures are performed under 2 hours per month.

The hygienists working "full-time" vary from the "part-time" in providing dental health education.

210. HYGIENISTS SELF-REPORTING OF PROCEDURAL COMPETENCY. TABLE H.9

The hygienists were requested to rate their competency for performing each of the 18 procedures listed. Their ratings were "Very Competent", "Competent", "Rusty", or " I Require Training". Of the 18 procedures listed, 8 were identified as performed with "Very Competent" and "Competent" skill.

211. SUGGESTED REVIEW AND REVISION OF THE CURRENT DENTAL HYGIENE CURRICULUM. TABLE H.10

The 18 procedures listed on the survey form were also used as curriculum content items which could be identified as needing review and possible revision. TABLE H.10 reports the actual number of hygienists who feel these areas should be reviewed.

The Orthodontic Related Skills were identified by over 50% of the hygienists as needing review. The Operative Related Skills

(average 42.1%) and the Surgery Related Skills (average 39.3%) were next in order of ranking by the hygienists.

The Surgery Related Skills and Operative Related Skills are identified by a greater percentage of the "part-time" hygienists as needing review.

SURVEY OF DENTISTS

## 300. SURVEY RESULTS - DENTISTS

### 301. INTRODUCTION

There were 4786 licensed dentists on the file provided by the Texas State Board of Dental Examiners and the Texas Education Agency. This data collection instrument was developed with the assistance and approval of members of the Texas Dental Association, Texas Dental Hygienists' Association, Texas State Board of Dental Examiners and the Texas Education Agency.

The dentists were informed of the survey through announcements at the State Convention and announcements published by the TDA and office of the Texas State Board of Dental Examiners.

A mailing containing a letter explaining the survey, the self-reporting instrument and a post-paid return envelope was made to each dentist on the master file.

The information received from the respondents was transferred to the master file and reports were generated printing the frequency distribution of responses and the percentage of responses by item. The Master Set of Reports and the Master File tape is in the office of the Director, Department of Occupational and Technical Education, TEA. A copy of the Dentists' Survey Form is in Appendix A.

Appendix B contains Tables of selected characteristics and information contained in the Master File.

302. SELECTED CHARACTERISTICS OF DENTISTS RESPONDING TO THE SURVEY. TABLE D.1

A total of 1893 of 4786 dentists responded, or 39.6%. There were no dentists on the file residing outside the State of Texas or in Planning Region 15.

Planning Regions 4A (26.5%) and 16 (24.7%) have 51.2% of all dentists in the State.

Of those dentists responding, 99.3% are male, 95.4% are members of the Texas Dental Association, 19.7% classified their practice as Specialist, and 80.3% classified their practice as General Practitioner. The modal age range for those responding is 40 - 50 years old, with the midpoint falling within the same range. The modal range of years practiced is 1 - 5 years and the midpoint in the range of 11 - 15 years practiced.

303. DENTISTS REPORTING EMPLOYMENT OF HYGIENISTS BY PLANNING REGION. TABLE D.2

The actual number of dentists responding to the employment items appear on this TABLE. The items were structured to obtain current employment data and than project employment

needs for 1975, 1976 and 1977.

The current employment item drew a 98.8% response from all the dentists responding to the survey. The dentists responding state that approximately 792 hygienists are in their employ or 51.5% of all hygienists licensed by the State.

The item requesting data on immediate employment needs drew responses from 86.3% of the dentists responding to the survey. Immediate employment is available for approximately 125 hygienists, with another 10 dentists uncertain at this point. Each Planning Region has 1 or more employment openings, with the exception of Region 10B.

Additional hygienists needed for 1975 drew a 71.3% response from the responding dentists. The respondees indicate that 164 hygienist openings will be available in 1975 with another 61 dentists uncertain at this time. Again each Region, except 10B, will require 1 or more additional hygienists.

Additional hygienists needed for 1976 drew a 67% response from the responding dentists. A total of 201 additional hygienist openings are planned with 81 dentists "uncertain" at this time.

Additional hygienists needed for 1977 drew a 65.3% response from the responding dentists. A total of approximately 194 additional hygienists openings are planned with 96 dentists "uncertain" at

this time.

304. SELECTED RESPONSES OF DENTISTS EMPLOYING AND NOT EMPLOYING HYGIENISTS. TABLE D.3

Not all dentists responding, responded to each item, so evaluation of this data must be within the context of those actually responding to the items. This Table is constructed to allow comparisons between those dentist who currently employ hygienists and those who do not.

Of those dentists responding who employ hygienists, 50% are between 35 - 50 years old; a greater percentage hold TDA membership; a greater percentage have been in practice over 5 years; approximately 90% are General Practitioners.

Of those dentists responding, not employing hygienists, approximately 83 are currently seeking hygienists. Approximately 35 dentists currently employing hygienists are seeking additional hygienists immediately.

Of those dentists responding, not employing hygienists, approximately 92 are planning to employ hygienists in 1975, 113 are planning to employ hygienists in 1976, and 114 are planning to employ hygienists in 1977.

Of those dentists responding, who currently employ hygienists, approximately 67 plan to employ additional hygienists in 1975; approximately 74 plan to employ additional hygienists in 1976; approximately 63 plan to employ additional hygienists in 1977.

Of those dentists responding who do not currently employ hygienists, 11.4% had hired hygienists between January 1, 1972 and the date of this study.

A greater percentage of those dentists responding, currently employing hygienists, earned the D.D.S. degree in Texas.

The majority of all dentists responding have not received formal training in the use of dental auxiliaries or use of expanded function auxiliaries. However, 1058 (71.3%) of the dentists responding to the item, stated thay would participate if training programs in the use of dental auxiliaries and expanded function auxiliaries were made available.

305. HYGIENISTS HIRED BY RESPONDING DENTISTS SINCE JANUARY 1, 1972. TABLE D.4

This TABLE presents the actual number of dentists responding to the item by Planning Region and the number of hygienists hired in each Region since January 1, 1972.

The dentists (366) have hired approximately 595 hygienists since January 1, 1972.

The midpoint for the "average length of employment" is in the "9 - 11 month" range with 25.5% of the total employed "less than 3 months".

306. CURRENT WEEKLY SALARY PAID HYGIENISTS AND CURRENT ANNUAL PAYROLL REPORTED BY DENTISTS. TABLE D.5

The dentists (645) responding to the item reporting "current weekly salary paid hygienists" indicated the "$150 - $174" range as the midpoint for weekly salaries.

The midpoint range for the dentists' annual payroll is $5,000 - $9,999.

307. DENTISTS REPORTING THE FREQUENCY WITH WHICH HYGIENISTS PERFORM SELECTED PROCEDURES. TABLE D.6

The procedures performed most frequently by the hygienists are related to Oral Hygiene and Disease Prevention. The Surgery, Orthodontic and Operative Related Skills are performed with a mean frequency of "once per month".

308. SUGGESTED REVIEW AND REVISION OF THE DENTAL HYGIENE CURRICULUM TO MEET THE DENTIST' NEEDS. TABLE D.7

The dentist was asked to indicate by checking those procedures listed, the curriculum areas that should be reviewed and possibly revised to meet the requirements of his or her practice.

Of the 1893 dentist responding to the survey, 20% or fewer indicated that each procedure should be reviewed. The dentists responding who employ hygienists, identified 12 procedures with response percentages greater than 20%.

# SUMMARY AND OBSERVATIONS

SUMMARY

1. 908 (59.1%) of the 1539 hygienists licensed by the State responded to this survey.

2. 243 (15.8%) of the 1539 licensed hygienists reside outside the State - Planning Region 00.

3. Of those 1295 hygienists residing in the State, 759 (58.5%) responded to the employment item as follows:

| | |
|---|---|
| Working full-time as hygienist | 389 |
| Working part-time as hygienists | 229 |
| Total | 618 |
| Not working, not seeking work | 116 |
| Not working, seeking work | 25 |
| Total | 141 |

4. Of the 618 hygienists working full or part-time, 587 provide services for approximately 850 dentists.

5. Hygienists working part-time report an average income of $125 - $149 per week while those working full-time report an average of $200 or over per week.

6. 75% of the hygienists responding received their training in Texas.

7. 53.8% of hygienists responding feel their training is being fully utilized.

8. 60% of hygienists responding are "uncertain" about their future employment plans. 35.2% plan to work 6 or more years.

9. 2.4% of the hygienists responding to the survey identified themselves as members of a minority race.

10. 1893 (39.6%) of the 4786 dentists licensed by the State responded to this survey.

11. 98.8% of the dentists responding to the survey provided hygienist employment information.

12. The dentists responding to this survey employ 61% (792) of all the hygienists licensed and residing in the State.

13. Each Planning Region except 18B has immediate employment available. A total of 125 hygienists are needed immediately, bringing the total employed (792) and openings (125) to 917 for 40% of the dentists in the State. This 917 represents jobs for 71% of the licensed hygienists residing in the State.

14. The dentists project an additional 164 hygienist openings for 1975, with 61 dentists "uncertain" at

this time. This totals 1081 hygienist positions for 1975 with 40% of the dentists or 83.5% of the 1296 hygienists licensed by the State in 1974.

15. An additional 201 hygienists are required for 1976, with 81 dentists "uncertain" as to hygienist needs. Adding this projection to the 1081 reached in 1975, the total number of hygienist positions with the dentists responding to this survey is 1282.

16. The year 1977 adds another 194 additional hygienist openings to the 1282 reached in 1976.

17. Of the dentists responding, only 11.4% have employed hygienists since January 1, 1972 but do not currently employ hygienists.

18. The dentists state the average length of employment for all hygienists they have hired is from 9 - 11 months. Employment less than 3 months for all hygienist is the average for 25.5% of the dentists.

19. The majority (71.3%) of the dentists responding will participate in training programs in the use of dental auxiliaries and expanded functions, if made available.

OBSERVATIONS

1. Training programs for dentists at both the pre-degree and post-degree level in the use of dental auxiliaries and expanded functions should be strongly considered.

2. This survey shows that 2 hygienists' training institutions in the State and public institutions out of State trained 62.8% of the respondees. Eight institutions in the State accounted for 23.6% of the hygienists in the survey. A very complete audit of the program and the follow-up of the graduates of these 8 institutions should be considered immediately to determine the product accountability and continued contribution of trained hygienists to the profession by these institutions.

   This audit should include the study of enrollment growth against school projections; student attrition rates; graduate follow-up; enrollment projections for next 3 years.

   The growth of the existing hygienist programs at the 8 institutions noted above may be enough to maintain the balance of supply and demand for hygienists for the next 3 years. However, if an aggressive training program for

dentists in the utilization of hygienists is successful, additional hygienist programs should be considered. If the rate of attrition for hygienists leaving the profession continues, this supports the need to consider program expansion.

The data provided from this survey should be viewed as the base-line data and the TEA, Texas Dental Association and Texas Dental Hygienists' Association should use this data and the master file of information to develop a systematic review of both populations over the next 3 years.

The years 1975 - 1977 develop in this survey as a critical time for the dental hygienist program. The requirement for controlled, managed expansion of the hygienist programs at other institutions in the State should be of primary concern. The opposite could result in excessive costs to taxpayers and the disillusionment of many men and women seeking careers as hygienists.

# APPENDIX A

## SURVEY FORMS

**Texas Education Agency**

- STATE BOARD OF EDUCATION
- STATE COMMISSIONER OF EDUCATION
- STATE DEPARTMENT OF EDUCATION

201 East Eleventh Street
Austin, Texas
78701

**Dear Dentist:**

Your help is requested to assist the Texas Education Agency, in cooperation with the Texas Dental Association and the Texas Dental Hygienist Association, with this statewide survey of dental professionals. Your responses will provide the data necessary to aid in the determination of the current and future requirements for hygienists in the State and to assist with the review of the curriculum.

Please take a few moments now to participate in this very important survey.

Sincerely,

Joseph D. Godsey, Director
Division of Post-Secondary
Occupational Education and Technology

JDG:cb

## TEXAS EDUCATION AGENCY DENTISTRY NEEDS SURVEY

Note any change in name or address:

Name: (11)

Street Address: (31)

City: (61) State: (76) Zip Code: (78)

1. (92) Sex:
   - ☐ M
   - ☐ F

2. Age (circle one):
   1. Under 25
   2. 25 - 29
   3. 30 - 34
   4. 35 - 39
   5. 40 - 50
   6. 50 - 60
   7. Over 60

3. (93) TDA Member ☐ Yes ☐ No

4. (94) Number of years you have practiced (circle one):
   1. 1 - 5
   2. 6 - 10
   3. 11 - 15
   4. 16 - 20
   5. 21 - 30
   6. 31 - 40
   7. Over 40

5. (95) Type of practice (circle one in each column):

| | |
|---|---|
| 1. Specialist | 1. Private |
| 2. General Practitioner | 2. Corporate |
| | 3. Partnership |

---

**FOR QUESTIONS 6 - 8, ENTER NUMBER OF CHOICE FROM RIGHT IN BOX PROVIDED**

6. (97) ☐ Number of licensed hygienists you currently employ:
   If "none", have you ever employed hygienists:
   ____yes ____no Why_____

   1. None
   2. 1
   3. 2
   4. 3 or more
   5. Uncertain

7. (98) ☐ Number of hygienists you are seeking to employ **immediately**:

8. (99) Number of hygienists, in addition to those indicated in items 6 and 7, you plan to employ in:
   ☐ 1975 ☐ 1976 ☐ 1977

---

9. (100) How many hygienists have you hired since January 1, 1972 (circle one):
   0 1 2 3 4 5 6 7 8 9 or more

10. (102) Average length of employment in months for all the hygienists you have hired (circle one):
    1. Less than 3
    2. 3 - 5
    3. 6 - 8
    4. 9 - 11
    5. 12 - 17
    6. 18 - 23
    7. 24 - 35
    8. 36 - 47
    9. 48 and over

11. (103) Indicate the requirements and preferences you hold at the time you hire a hygienist (check all factors you consider):

| Require | Prefer | | Require | Prefer | |
|---|---|---|---|---|---|
| ☐ | ☐ | Training at Texas School | ☐ | ☐ | Experience |
| ☐ | ☐ | Community College Degree | ☐ | ☐ | Full-time Employment |
| ☐ | ☐ | College Degree | ☐ | ☐ | ADHA Member |
| ☐ | ☐ | Minimum Academic grade average | ☐ | ☐ | Other_____ |

12. (111) Indicate the number of hygienists you employ who received their professional training at the following institutions (place the number of desired response at right in the appropriate box below):

1. 1
2. 2
3. 3 or more

- ☐ 1. Amarillo College
- ☐ 2. Bee County College
- ☐ 3. Caruth School of Dental Hygiene
- ☐ 4. Del Mar College
- ☐ 5. Lamar University
- ☐ 6. Tarrant County Jr. College
- ☐ 7. Texas Women's University
- ☐ 8. Tyler Jr. College
- ☐ 9. University of Texas Dental Br.
- ☐ 10. Wharton County Jr. College
- ☐ 11. Other (specify)

13. (122) Current weekly salary you pay licensed hygienists without expereince (circle one):

1. Under $50
2. $50 - $74
3. $75 - $99
4. $100 - $124
5. $125 - $149
6. $150 - $174
7. $175 - $199
8. Over $200

14. (123) Your current annual payroll for hygienists (circle one):

1. Under $5,000
2. $5,000 - $9,999
3. $10,000 - $14,999
4. $15,000 - $19,999
5. $20,000 - $24,999
6. $25,000 - $29,999
7. $30,000 or more

15. (124) Did you receive your D. D. S. in Texas? ☐ Yes ☐ No

16. (125) Have you ever received formal training in the use of dental auxiliaries? ☐ Yes ☐ No

17. (126) Have you ever received formal training in the use of expanded function auxiliaries? ☐ Yes ☐ No

18. (127) If the programs in items 16 and 17 were made available to you, would you participate? ☐ Yes ☐ No

19. (128) Using the choices at right, indicate the frequency with which the procedures below are used by your hygienist.

1. Daily
2. At least once a week
3. At least once a month
4. At least once every six months
5. At least once a year

20. (146) Consider the competency of all hygienists you have employed and check the procedures below to **indicate those areas that should be reviewed and possibly revised** to prepare hygienists to meet the requirements of your practice.

| Question 19 | Question 20 | |
|---|---|---|
| | | **Oral Hygiene and Disease Prevention** |
| ☐ | ☐ | Prophylaxis |
| ☐ | ☐ | Topical drug application to teeth and soft tissues of the mouth |
| ☐ | ☐ | Radiographs |
| ☐ | ☐ | Take and record vital signs |
| ☐ | ☐ | Examination of soft and hard mouth tissue |
| ☐ | ☐ | Make dental plaque or oral mucosal smears |
| ☐ | ☐ | Dental health education, instructions |
| ☐ | ☐ | Dental related nutritional counseling |
| | | **Surgery Related Skills** |
| ☐ | ☐ | Socket dressing insertion and removal |
| ☐ | ☐ | Periodontal pack placement and removal |
| ☐ | ☐ | Suture removal |
| | | **Orthodontic Related Skills** |
| ☐ | ☐ | Determining size of preformed crowns or bands |
| ☐ | ☐ | Placement of ligatures on seated archwires |
| ☐ | ☐ | Removing, cutting, and tucking of orthodontic ligatures |
| ☐ | ☐ | Removal of tension devices and defective bands or archwires |
| | | **Operative Related Skills** |
| ☐ | ☐ | Celluloid strip placement and removal |
| ☐ | ☐ | Rubber dam placement and removal |
| ☐ | ☐ | Placement and removal of temporary medicinal fillings |

THANK YOU.

**Texas Education Agency**

•STATE BOARD OF EDUCATION
•STATE COMMISSIONER OF EDUCATION
•STATE DEPARTMENT OF EDUCATION

201 East Eleventh Street
Austin, Texas
78701

Dear Dental Hygienist:

Your help is requested to assist the Texas Education Agency, in cooperation with the Texas Dental Association and the Texas Dental Hygienist Association, with this statewide survey of dental professionals. Your responses will provide the data necessary to aid in the determination of the current and future requirements for hygienists in the State and to assist with the review of the curriculum.

Please take a few moments now to participate in this very important survey.

Sincerely,

Joseph D. Godsey, Director
Division of Post-Secondary
Occupational Education and Technology

JDG:cb

# TEXAS EDUCATION AGENCY DENTAL HYGIENISTS NEEDS SURVEY

Note any change in name or address:

Name: (11)

Street Address: (31)

City: (61) State: (76) Zip Code: (78)

Social Security Number (83)

1. Sex (92) ☐ Male ☐ Female

2. Age (circle one): (93)

1. Under 20 years old
2. 20 - 24 years old
3. 25 - 29 years old
4. 30 - 34 years old
5. 35 - 39 years old
6. 40 - 44 years old
7. 45 - 49 years old
8. 50 - 59 years old
9. Over 60 years old

3. Marital Status (circle one) (94)

1. Married
2. Single
3. Widowed
4. Divorced

4. Race (circle one): (95)

1. Black
2. Caucasian
3. Indian
4. Mexican American
5. Other

5. Veteran: (96) ☐ Yes ☐ No

6. Institution or type of institution at which you completed your training prior to licensure (circle one): (97)

1. Amarillo College
2. Bee County College
3. Caruth School of Dental Hygiene
4. Del Mar College
5. Lamar University
6. Tarrant County Jr. College
7. Texas Women's University
8. Tyler Jr. College
9. University of Texas Dental Branch
10. Wharton County Jr. College
11. Public Institution Out of State
12. Proprietary School Out of State
13. Licensed under "Grandfather Clause"
14. Other (specify) _____

---

7. ☐ (99) Years since graduation from the institution indicated in question 6 (Place number of choice at right in box provided):

8. ☐ (100) Years since initial licensure by Texas (Place number of choice at right in box provided):

1. Less than 5 years
2. 5 to 9 years
3. 10 to 14 years
4. 15 to 19 years
5. 20 to 24 years
6. 25 to 29 years
7. 30 to 34 years
8. 35 to 39 years
9. Over 40 years

---

9. ☐ (101) Total number of calendar years employed full-time as a licensed hygienist (Place number of choice at right in box provided):

10. ☐ (102) Total number of calendar years employed part-time as a licensed hygienist (Place number of choice at right in box provided):

1. Less than 2 years
2. 2 to 4 years
3. 5 to 7 years
4. 8 to 10 years
5. 11 to 13 years
6. 14 to 16 years
7. 17 to 20 years
8. 21 to 30 years
9. Over 30 years

11. Current professional status (circle one):
(103)
1. Not working but seeking work as a hygienist and have been seeking work for (circle one):
   a. less than one month
   b. 2 - 4 months
   c. 5 - 7 months
   d. 8 - 10 months
   e. 11 - 12 months
   f. over 12 months
2. Not working or seeking work as a hygienist.
3. Working part-time in any hygienist capacity.
4. Working full-time in any hygienist capacity.

12. If you chose response 1 or 2 in item 11, which of the following describe why you are not in practice today?
(105) (circle all that apply):
1. I lack recent experience
2. I require a definite salary
3. Unable to find hygienist position
4. Transportation problems
5. Full-time family duties
6. Attending school
7. Health reasons
8. Age
9. Employed as a _____
10. Other _____

13. If you chose response 1 in item 11, how long do you intend to work when employed in a hygienist capacity?
(115) (circle one):
1. 1 year
2. 2 years
3. 3 years
4. 4 years
5. 5 years
6. 6 years or more
7. Uncertain

14. If you chose responses 3 or 4 in item 11, circle average hours worked per week:
(116)
1. 1 - 5
2. 6 - 10
3. 11 - 15
4. 16 - 20
5. 21 - 25
6. 26 - 30
7. 31 - 35
8. 36 - 40
9. Over 40

15. How do you currently upgrade your skills (circle all that apply):
(117)
1. Formal classroom training
2. Conferences
3. Study clubs
4. Journals
5. Professional association
6. Texts
7. Short courses
8. Seminars
9. Evening classes
10. Day classes
11. Clinical courses

16. Circle the types of employment you currently hold as a hygienist:
(128)
1. Dental Hygiene School
2. City, County or State Health Agency
3. Elementary or Secondary School
4. Local, State or Federal Government Agency
5. Military
6. Private Dental Office
7. Research
8. Private Organization (specify) _____
9. Public Organization (specify) _____

If you circled Number 9, circle 1 or 2 below:
1. Voluntary - Hours per week _____
2. Paid

17. (138) If you work in a private dental office, circle number of dentists whose patients you serve:

1 2 3 4 5 or more

18. (139) Circle the number of private dental offices in which you work:

1 2 3 4 5 or more

19. (140) How far from the institution where you completed your training is your work. (circle one):

1. In same city
2. Under 25 miles
3. 25 - 49 miles
4. 50 - 99 miles
5. 100 - 199 miles
6. Over 200 miles

20. (141) Circle number of years you plan to work as a hygienist:

1. 1 year
2. 2 years
3. 3 years
4. 4 years
5. 5 years
6. 6 years or more
7. Uncertain

---

21. (142) ☐ Indicate your weekly income as a first year dental hygienist in box provided (select from choices on right):

22. (143) ☐ Your current average weekly income (select from choices at right):

1. Under $50
2. $50 - $74
3. $75 - $99
4. $100 - $124
5. $125 - $149
6. $150 - $174
7. $175 - $199
8. $200 or over

---

23. (144) Current Compensation plan (circle one choice from responses 1 - 3 and circle 4 if you receive benefits in addition to responses 1 - 3)

1. Salary
2. Commission and salary
3. Commission
4. Additional benefits

24. (146) Number of patients you serve in a typical month (circle one):

1. Less than 50
2. 50 - 99
3. 100 - 149
4. 150 - 200
5. Over 200
6. Do not serve individual patients

25. (147) Is your professional preparation being fully utilized?

☐ Yes ☐ No

26. (148) Have you received any training in the performance of expanded functions?

☐ Yes ☐ No

FOR QUESTIONS 27 - 29, ENTER YOUR RESPONSE IN THE APPROPRIATE COLUMN OF BOXES BELOW

27. (149) Indicate the number of hours spent per month performing the procedures listed below:

1. Under 2 hours
2. 2 - 5 hours
3. 6 - 9 hours
4. 10 - 14 hours
5. 15 - 19 hours
6. 20 - 24 hours
7. 25 - 29 hours
8. 30 - 34 hours
9. 35 - 39 hours
10. 40 hours or more

28. (167) Identify the procedures listed below in terms of your current skill level:

1. **Very competent** - I've had training and experience.
2. **Competent** - I've had training but little experience.
3. **Rusty** - I had training some time ago and no recent experience.
4. **I require training.**

29. (185) Identify those areas of the dental hygiene curriculum that you feel are **in need of review and possible revision** by placing an X opposite the procedure.

| Questions 27 | 28 | 29 | |
|---|---|---|---|
| | | | **ORAL HYGIENE AND DISEASE PREVENTION** |
| | | | Prophylaxis |
| | | | Topical application of drugs to teeth and soft tissues of the mouth |
| | | | Radiographs |
| | | | Take and record vital signs |
| | | | Examination of soft and hard mouth tissue |
| | | | Make dental plaque or oral mucosal smears |
| | | | Dental health education, instructions |
| | | | Dental related nutritional counseling |
| | | | **SURGERY RELATED SKILLS** |
| | | | Socket dressing insertion and removal |
| | | | Periodontal pack placement and removal |
| | | | Suture removal |
| | | | **ORTHODONTIC RELATED SKILLS** |
| | | | Determining size of preformed crowns or bands |
| | | | Placement of ligatures on seated archwires |
| | | | Removing, cutting, tucking of orthodontic ligatures |
| | | | Removal of tension devises and defective bands or archwires |
| | | | **OPERATIVE RELATED SKILLS** |
| | | | Celluloid strip placement and removal |
| | | | Rubber dam placement and removal |
| | | | Placement and removal of temporary medicinal fillings |



THANK YOU.

APPENDIX B

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MAP OF GOVERNOR'S PLANNING REGION

TABLE H.1 SELECTED CHARACTERISTICS OF HYGENISTS RESPONDING TO THE SURVEY

| GOVERNOR'S PLANNING REGION | 00 | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL PERSONS ON FILE | 243 | 41 | 20 | 20 | 420 | 9 | 11 | 55 | 13 | 22 | 14 | 9 | 20 | 11 | 67 | 14 | 12 | 339 | 13 | 99 | 6 | 29 | 48 | 3 | 4 | 1539 |
| PERSONS RESPONDING | 147 | 24 | 9 | 10 | 242 | 7 | 4 | 36 | 8 | 13 | 8 | 3 | 18 | 9 | 45 | 11 | 6 | 191 | 10 | 58 | 1 | 18 | 28 | 2 | 1 | 908 |
| % RESPONDING | 60.5 | 58.5 | 45.0 | 50.0 | 57.6 | 77.8 | 36.4 | 65.4 | 61.5 | 59.1 | 57.1 | 33.3 | 90.0 | 81.8 | 67.2 | 78.6 | 50.0 | 56.3 | 76.9 | 58.6 | 33.3 | 62.1 | 58.3 | 66.7 | 25.0 | 59.1 |
| SEX - PERSONS RESPONDING | 146 | 24 | 9 | 10 | 240 | 7 | 4 | 36 | 8 | 13 | 8 | 3 | 18 | 9 | 45 | 11 | 6 | 190 | 10 | 58 | 1 | 18 | 26 | 2 | 1 | 903 |
| % Female | 100 | 95.8 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 99.9 |
| AGE - PERSONS RESPONDING | 147 | 24 | 9 | 10 | 242 | 7 | 4 | 36 | 8 | 13 | 8 | 3 | 18 | 9 | 45 | 11 | 6 | 191 | 10 | 57 | 1 | 18 | 28 | 2 | 1 | 908 |
| % Under 20 | - | - | - | - | .4 | - | - | 2.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | .2 |
| % 20 - 24 | 26.5 | 16.7 | 44.4 | 20.0 | 33.1 | 14.3 | 50.0 | 36.1 | 12.5 | 38.5 | 50.0 | 33.3 | 27.8 | 44.4 | 31.1 | 45.5 | 33.3 | 35.1 | 40.0 | 31.6 | 100 | 44.4 | 35.7 | - | 100 | 32.5 |
| % 25 - 29 | 36.7 | 25.0 | 33.3 | 50.0 | 33.5 | - | 25.0 | 19.4 | 62.5 | 23.1 | 12.5 | - | 27.8 | 22.2 | 48.9 | 36.4 | 16.7 | 36.1 | - | 36.8 | - | 11.1 | 35.7 | 50.0 | - | 33.4 |
| % 30 - 34 | 21.8 | 25.0 | 11.1 | 10.0 | 18.6 | 57.1 | 25.0 | 13.9 | 25.0 | 15.4 | 25.0 | 33.3 | 22.2 | 11.1 | 4.4 | 9.1 | 16.7 | 15.2 | 10.0 | 12.3 | - | 11.1 | 14.3 | - | - | 17.0 |
| % 35 - 39 | 10.2 | 16.7 | 11.1 | 10.0 | 5.8 | 14.3 | - | 11.1 | - | 7.7 | - | 33.3 | - | 11.1 | 6.7 | 9.1 | 16.7 | 7.3 | 10.0 | 3.5 | - | 22.2 | 10.7 | - | - | 7.9 |
| % 40 - 44 | 2.7 | 4.2 | - | - | 1.7 | - | - | 2.8 | - | 7.7 | - | - | - | 11.1 | 2.2 | - | - | 2.6 | - | 3.5 | - | 5.6 | - | - | - | 2.3 |
| % 45 - 49 | 1.4 | 4.2 | - | 10.0 | 3.3 | - | - | 8.3 | - | - | - | - | - | - | - | - | - | .5 | 30.0 | 3.5 | - | - | 3.6 | 50.0 | - | 2.5 |
| % 50 - 59 | .7 | 4.2 | - | - | 2.9 | 14.3 | - | 2.8 | - | 7.7 | - | - | 5.6 | - | 4.4 | - | - | 3.1 | 10.0 | - | - | 5.6 | - | - | - | 2.5 |
| % Over 60 | - | 4.2 | - | - | .8 | - | - | 2.8 | - | - | 12.5 | - | 16.7 | - | 2.2 | - | 16.7 | - | - | 8.8 | - | - | - | - | - | 1.7 |
| MARITAL STATUS - PERSONS RESPONDING | 146 | 24 | 9 | 10 | 242 | 7 | 4 | 35 | 8 | 13 | 8 | 3 | 18 | 9 | 45 | 11 | 6 | 191 | 10 | 57 | 1 | 18 | 28 | 2 | 1 | 906 |
| % Married | 78.1 | 79.2 | 77.8 | 100 | 78.9 | 71.4 | 75.0 | 88.6 | 87.5 | 53.9 | 87.5 | 100 | 77.8 | 88.9 | 71.1 | 100 | 83.3 | 77.5 | 90.0 | 56.1 | 100 | 83.3 | 75.0 | 50.0 | 100 | 77.5 |
| % Single | 13.7 | 8.3 | 22.2 | - | 13.6 | 14.3 | 25.0 | 2.9 | - | 46.2 | 12.5 | - | 5.6 | - | 15.6 | - | - | 11.5 | - | 24.6 | - | 11.1 | 14.3 | - | - | 12.9 |
| % Widowed | .7 | - | - | - | .4 | - | - | 5.7 | - | - | - | - | 5.6 | - | - | - | 16.7 | .5 | 10.0 | 10.5 | - | - | - | - | - | 1.6 |
| % Divorced | 7.5 | 12.5 | - | - | 7.0 | 14.3 | - | 2.9 | 12.5 | - | - | - | 11.1 | 11.1 | 13.3 | - | - | 10.5 | - | 8.8 | - | 5.6 | 10.7 | 50.0 | - | 8.1 |
| RACE - PERSONS RESPONDING | 144 | 24 | 9 | 10 | 241 | 7 | 4 | 35 | 8 | 13 | 8 | 3 | 18 | 9 | 45 | 11 | 6 | 189 | 10 | 56 | 1 | 18 | 28 | 2 | 1 | 900 |
| % Black | 1.4 | - | - | 10.0 | .4 | - | - | - | - | - | - | - | - | - | - | - | - | .5 | - | - | - | - | - | - | - | .6 |
| % Caucasian | 97.2 | 100 | 100 | 90.0 | 97.9 | 100 | 100 | 97.1 | 100 | 100 | 100 | 100 | 94.4 | 100 | 100 | 90.9 | 100 | 97.9 | 90.0 | 96.4 | 100 | 100 | 92.9 | 100 | 100 | 97.6 |
| % Indian | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | .5 | - | - | - | - | - | - | - | .1 |
| % Mexican American | .7 | - | - | - | .4 | - | - | - | - | - | - | - | 5.6 | - | - | - | - | .5 | 10.0 | 3.6 | - | - | 7.1 | - | - | 1.0 |
| % Other | .7 | - | - | - | 1.2 | - | - | 2.9 | - | - | - | - | - | - | - | 9.1 | - | .5 | - | - | - | - | - | - | - | .8 |
| VETERAN - PERSONS RESPONDING | 127 | 21 | 6 | 10 | 195 | 6 | 4 | 30 | 7 | 12 | 6 | 2 | 15 | 8 | 40 | 9 | 3 | 163 | 9 | 57 | - | 17 | 25 | 2 | 1 | 769 |
| % Yes | .8 | 9.5 | - | 10.0 | .5 | - | - | - | - | 8.3 | - | - | - | - | 2.5 | - | - | 1.2 | - | - | - | 5.9 | - | - | - | 1.3 |

TABLE H.2 NUMBER OF HYGIENISTS "NOT WORKING" OR "WORKING PART-TIME OR FULL TIME BY REGION

| GOVERNOR'S PLANNING REGION | 00 | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 15 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOT WORKING | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seeking | 9 | - | - | 1 | 5 | - | - | - | - | - | - | - | 1 | 1 | 2 | - | 2 | - | 9 | - | 3 | - | - | 1 | - | - | 34 |
| Not Seeking | 35 | 6 | - | 3 | 36 | 1 | - | 3 | 4 | 2 | 2 | 1 | 4 | - | 7 | 1 | 1 | - | 26 | - | 9 | - | 3 | 7 | - | - | 151 |
| Total Not Working | 44 | 6 | - | 4 | 41 | 1 | - | 3 | 4 | 2 | 2 | 1 | 5 | 1 | 9 | 1 | 3 | - | 35 | - | 12 | - | 3 | 8 | - | - | 185 |
| WORKING PART-TIME | 46 | 8 | 2 | 3 | 81 | 4 | 1 | 12 | 2 | 5 | 1 | 1 | 6 | 3 | 11 | 4 | 1 | - | 47 | 7 | 17 | 1 | 6 | 6 | - | 0 | 275 |
| WORKING FULL TIME | 57 | 10 | 7 | 3 | 119 | 2 | 2 | 20 | 2 | 6 | 5 | 1 | 7 | 5 | 26 | 6 | 2 | - | 109 | 3 | 28 | - | 9 | 14 | - | 1 | 446 |
| TOTAL WORKING | 103 | 18 | 9 | 6 | 200 | 6 | 3 | 32 | 4 | 11 | 6 | 2 | 13 | 8 | 37 | 10 | 3 | - | 156 | 10 | 45 | 1 | 15 | 20 | - | 1 | 721 |

| | NUMBER | PERCENTAGE OF TOTAL RESPONDING |
|---|---|---|
| WORKING FULL TIME | 446 | 49.2% |
| WORKING PART-TIME | 275 | 30.4% |
| NOT SEEKING WORK | 151 | 16.7% |
| SEEKING WORK | 34 | 3.8% |
| TOTAL | 906 | |

TABLE H.3 SELECTED CHARACTERISTICS BY PROFESSIONAL STATUS

1. Not Working, But Seeking
2. Not Working, Not Seeking
3. Working Part-Time
4. Working Full-Time

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| SEX - PERSONS RESPONDING | 34 | 149 | 273 | 442 |
| % Female | 100 | 100 | 100 | 99.8 |
| AGE - PERSONS RESPONDING | 34 | 151 | 274 | 444 |
| % Under 20 | - | - | 0.4 | 0.2 |
| 20 - 24 | 26.5 | 11.9 | 22.3 | 46.4 |
| 25 - 29 | 41.2 | 35.1 | 38.3 | 29.5 |
| 30 - 34 | 11.8 | 32.5 | 20.1 | 9.9 |
| 35 - 39 | 5.9 | 6.6 | 10.2 | 7.2 |
| 40 - 44 | 11.8 | 2.0 | 3.7 | 0.9 |
| 45 - 49 | 2.9 | 2.7 | 2.9 | 2.3 |
| 50 - 59 | - | 5.3 | 1.8 | 2.3 |
| Over 60 | - | 4.0 | 0.4 | 1.4 |
| MARITAL STATUS - PER. RESPONDING | 34 | 151 | 274 | 442 |
| Married | 88.2 | 91.4 | 88.7 | 64.9 |
| Single | 8.8 | 2.0 | 4.4 | 22.4 |
| Widowed | - | 4.0 | 1.1 | 0.9 |
| Divorced | 2.9 | 2.7 | 5.8 | 11.8 |
| RACE - PERSONS RESPONDING | 34 | 150 | 271 | 440 |
| Black | - | - | 0.7 | 0.7 |
| Caucasian | 100 | 97.3 | 98.5 | 97.1 |
| Indian | - | - | - | 0.2 |
| Mexican American | - | 2.7 | 0.7 | 0.7 |
| Other | - | - | - | 1.4 |

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| YEARS SINCE GRADUATION - PER. RESP. | 34 | 142 | 272 | 436 |
| Less Than 5 Years | 32.4 | 26.1 | 40.4 | 67.4 |
| 5 - 9 | 41.2 | 30.3 | 32.0 | 17.7 |
| 10 - 14 | 8.8 | 30.3 | 15.4 | 7.3 |
| 15 - 19 | 11.8 | 6.3 | 7.4 | 4.8 |
| 20 - 24 | 2.9 | 1.4 | 1.5 | 1.2 |
| 25 - 29 | 2.9 | 2.1 | 1.5 | 0.2 |
| 30 - 34 | - | 0.7 | 0.4 | 0.9 |
| 35 - 39 | - | 1.4 | 1.1 | 0.2 |
| Over 40 | - | 1.4 | 0.4 | 0.2 |
| YEARS EMPLOYED FULL-TIME - PER. RESP. | 32 | 139 | 246 | 440 |
| Less Than 2 Years | 37.5 | 24.5 | 32.9 | 35.5 |
| 2 - 4 | 28.1 | 38.1 | 39.4 | 35.9 |
| 5 - 7 | 28.1 | 18.7 | 19.5 | 13.6 |
| 8 - 10 | 3.1 | 7.2 | 6.1 | 6.6 |
| 11 - 13 | 3.1 | 4.3 | 1.2 | 3.2 |
| 14 - 16 | - | 1.4 | 0.8 | 2.3 |
| 17 - 20 | - | 2.9 | - | 1.6 |
| 21 - 30 | - | 1.4 | - | 1.4 |
| Over 30 | - | 1.4 | - | - |

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| REASONS FOR NOT WORKING PERSONS RESPONDING - NOT % | | | | |
| Lack Recent Experience | 3 | 2 | | |
| Require Definite Salary | 1 | 2 | | |
| Unable to Find Position | 16 | - | | |
| Transportation Problems | 1 | 2 | | |
| Full-Time Family Duties | 6 | 106 | | |
| Attending School | 3 | 9 | | |
| Health Reasons | 3 | 9 | | |
| Age | 1 | 5 | | |
| Other Employment | 2 | 8 | | |
| Other | 12 | 33 | | |
| CURRENT WEEKLY INCOME PERSONS RESPONDING | | | 260 | 427 |
| Under $50 | | | 4.6 | 0.7 |
| $50 - $74 | | | 10.4 | - |
| $75 - $99 | | | 10.4 | 0.5 |
| $100 - $124 | | | 19.6 | 0.5 |
| $125 - $149 | | | 10.4 | 4.0 |
| $150 - $174 | | | 14.2 | 9.4 |
| $175 - $199 | | | 10.4 | 19.7 |
| $200 or Over | | | 20.0 | 65.3 |

TABLE H.4 HYGIENISTS' TRAINING INSTITUTIONS

| INSTITUTION - PERSONS RESPONDING | TOTAL 906 |
|---|---|
| AMARILLO COLLEGE | 2.5 |
| BEE COUNTY COLLEGE | 3.0 |
| CARUTH SCHOOL OF DENTAL HYGIENE | 26.5 |
| DEL MAR COLLEGE | 2.3 |
| LAMAR UNIVERSITY | 1.3 |
| TARRANT COUNTY JR. COLLEGE | 3.1 |
| TEXAS WOMEN'S UNIVERSITY | 0.4 |
| TYLER JR. COLLEGE | 7.0 |
| UNIVERSITY OF TEXAS DENTAL BRANCH | 24.9 |
| WHARTON COUNTY JR. COLLEGE | 4.0 |
| PUBLIC INSTITUTION OUT OF STATE | 11.4 |
| PROPRIETARY SCHOOL OUT OF STATE | 3.4 |
| LICENSED UNDER "GRANDFATHER CLAUSE" | 2.3 |
| OTHER (SPECIFY) | 7.8 |

TABLE H.5 TYPES OF EMPLOYMENT AND NUMBER OF DENTISTS AND PATIENTS SERVED

| TYPES OF EMPLOYMENT - # RESPONDING | 00 | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 15 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dental Hygiene School | 7 | 1 | 0 | 1 | 10 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 9 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 38 |
| City, County or State Health Ag. | 3 | 0 | 1 | 1 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | - | 2 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 21 |
| Elementary or Secondary School | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Local, State or Fed. Govern. Ag. | 5 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | - | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 15 |
| Military | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| Private Dental Office | 91 | 16 | 8 | 5 | 187 | 6 | 4 | 30 | 4 | 9 | 7 | 2 | 12 | 8 | 31 | 10 | 13 | - | 151 | 10 | 43 | 1 | 15 | 17 | 2 | 1 | 673 |
| Research | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| Private Organization | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Public Organization | 3 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | - | 6 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 21 |
| NUMBER OF DENTISTS SERVED-# RESP. | 92 | 17 | 8 | 5 | 189 | 6 | 4 | 30 | 4 | 9 | 7 | 2 | 12 | 8 | 32 | 10 | 3 | - | 152 | 10 | 43 | 1 | 15 | 17 | 2 | 1 | 679 |
| %1 | 57.6 | 47.1 | 62.5 | 0 | 69.3 | 33.3 | 25.0 | 80.0 | 75.0 | 55.6 | 71.4 | 50.0 | 66.7 | 75.0 | 71.9 | 80.0 | 100 | - | 73.0 | 90.0 | 51.1 | 100 | 60.0 | 52.9 | 0 | 0 | 56.0 |
| 2 | 26.0 | 35.3 | 37.5 | 100 | 23.3 | 33.3 | 50.0 | 6.7 | 25.0 | 33.3 | 28.6 | 0 | 33.3 | 12.5 | 15.6 | 20.0 | 0 | - | 18.4 | 10.0 | 30.2 | 0 | 13.3 | 29.4 | 50.0 | 0 | 23.1 |
| 3 | 10.9 | 5.9 | 0 | 0 | 4.2 | 16.7 | 25.0 | 13.3 | 0 | 11.1 | 0 | 50.0 | 0 | 12.5 | 12.5 | 0 | 0 | - | 3.9 | 0 | 16.6 | 0 | 26.7 | 11.8 | 50.0 | 0 | 7.8 |
| 4 | 3.3 | 5.9 | 0 | 0 | 1.1 | 16.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2.6 | 0 | 0 | 0 | 0 | 5.9 | 0 | 100 | 1.9 |
| 5 or More | 2.2 | 5.9 | 0 | 0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 |
| NUMBER OF OFFICES SERVED - # RESP. | 93 | 17 | 8 | 5 | 187 | 6 | 4 | 30 | 4 | 9 | 7 | 2 | 12 | 8 | 32 | 10 | 3 | - | 151 | 10 | 41 | 1 | 15 | 18 | 2 | 1 | 570 |
| %1 | 71.0 | 58.8 | 75.0 | 60.0 | 83.4 | 66.7 | 75.0 | 76.7 | 75.0 | 66.7 | 100 | 50.0 | 91.7 | 75.0 | 81.2 | 90.0 | 100 | - | 82.8 | 90.0 | 68.3 | 100 | 66.7 | 77.8 | 0 | 0 | 79.4 |
| 2 | 21.5 | 35.3 | 25.0 | 40.0 | 13.4 | 33.3 | 0 | 10.0 | 25.0 | 22.2 | 0 | 50.0 | 8.3 | 12.5 | 15.6 | 10.0 | 0 | - | 11.3 | 10.0 | 26.9 | 0 | 20.0 | 11.1 | 50.0 | 0 | 15.8 |
| 3 | 6.4 | 0 | 0 | 0 | 2.7 | 0 | 25.0 | 13.3 | 0 | 11.1 | 0 | 0 | 0 | 12.5 | 3.1 | 0 | 0 | - | 4.0 | 0 | 4.9 | 0 | 13.3 | 11.1 | 50.0 | 100 | 4.9 |
| 4 | 1.1 | 5.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 |
| 5 or More | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 |
| NUMBER OF PATIENTS PER MONTH - # RESP | 105 | 20 | 9 | 7 | 212 | 6 | 4 | 32 | 5 | 10 | 7 | 2 | 15 | 8 | 35 | 9 | 3 | - | 167 | 10 | 52 | 1 | 15 | 21 | 2 | 1 | 750 |
| % Less Than 50 | 7.6 | 10.0 | 0 | 0 | 7.1 | 0 | 0 | 6.2 | 20.0 | 10.0 | 0 | 0 | 0 | 0 | 2.9 | 22.2 | 0 | - | 3.6 | 30.0 | 15.4 | 0 | 6.7 | 4.8 | 0 | 0 | 6.7 |
| 50 - 99 | 17.1 | 25.0 | 22.2 | 42.9 | 16.0 | 33.3 | 50.0 | 31.2 | 20.0 | 10.0 | 14.3 | 0 | 20.0 | 12.5 | 20.0 | 22.2 | 33.3 | - | 15.6 | 10.0 | 15.4 | 100 | 13.3 | 33.3 | 0 | 0 | 18.2 |
| 100 - 149 | 22.9 | 20.0 | 44.4 | 14.3 | 29.7 | 50.0 | 25.0 | 15.6 | 40.0 | 20.0 | 14.3 | 100 | 26.7 | 25.0 | 25.7 | 11.1 | 0 | - | 34.1 | 20.0 | 26.9 | 0 | 53.3 | 33.3 | 0 | 0 | 28.5 |
| 150 - 200 | 32.4 | 30.1 | 11.1 | 28.6 | 30.2 | 16.7 | 25.0 | 15.6 | 20.0 | 50.0 | 42.9 | 0 | 33.3 | 25.0 | 20.0 | 44.4 | 66.7 | - | 29.3 | 40.0 | 30.8 | 0 | 20.0 | 14.3 | 100 | 0 | 23.0 |
| Over 200 | 12.4 | 10.0 | 22.2 | 14.3 | 12.3 | 0 | 0 | 18.7 | 0 | 10.0 | 28.6 | 0 | 20.0 | 37.5 | 28.6 | 0 | 0 | - | 12.0 | 0 | 9.6 | 0 | 6.7 | 9.5 | 0 | 100 | 13.1 |
| Do Not Serve Patients | 7.6 | 5.0 | 0 | 0 | 4.7 | 0 | 0 | 12.5 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 0 | 0 | - | 4.8 | 0 | 1.9 | 0 | 0 | 4.8 | 0 | 0 | 4.5 |

TABLE H.6 EMPLOYMENT MOBILITY, UTILIZATION AND FUTURE EMPLOYMENT PLANS

| GOVERNOR'S PLANNING REGION | 00 | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 15 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DISTANCE BETWEEN WORK & INSTITUTION WHERE COMPLETED TRAINING # RESPONDING | 115 | 21 | 9 | 9 | 211 | 6 | 4 | 34 | 5 | 11 | 6 | 2 | 14 | 9 | 35 | 11 | 3 | - | 171 | 10 | 49 | 1 | 17 | 22 | 2 | 1 | 772 |
| % Same City | 5.2 | 23.8 | 11.1 | 0 | 39.3 | 0 | 0 | 26.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 0 | - | 44.7 | 0 | 2.4 | 0 | 29.4 | 0 | 0 | 0 | 24.2 |
| Under 25 Miles | 2.6 | 0 | 0 | 0 | 8.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 0 | - | 7.0 | 0 | 0 | 0 | 17.6 | 0 | 0 | 0 | 4.6 |
| 25 - 49 | 0 | 0 | 0 | 11.1 | 11.9 | 0 | 0 | 29.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 5.8 | 20.0 | 0 | 0 | 5.9 | 4.5 | 0 | 0 | 6.4 |
| 50 - 99 | 2.6 | 19.0 | 11.1 | 0 | 3.8 | 66.7 | 50.0 | 2.9 | 0 | 0 | 0 | 0 | 21.4 | 0 | 0 | 9.1 | 66.7 | - | 5.8 | 40.0 | 6.1 | 0 | 5.9 | 4.5 | 0 | 0 | 6.8 |
| 100 - 199 | 6.9 | 0 | 22.2 | 33.3 | 8.0 | 0 | 25.0 | 23.5 | 40.0 | 0 | 0 | 0 | 35.7 | 33.3 | 45.7 | 27.3 | 33.3 | - | 4.1 | 30.0 | 36.7 | 0 | 17.5 | 4.5 | 50.0 | 0 | 13.1 |
| Over 200 | 82.6 | 57.1 | 55.6 | 55.6 | 28.9 | 33.3 | 25.0 | 17.6 | 60.0 | 100 | 100 | 100 | 42.9 | 66.7 | 54.3 | 45.4 | 0 | - | 31.6 | 10.0 | 55.1 | 100 | 23.5 | 45.4 | 50.0 | 100 | 44.2 |
| IS TRAINING FULLY UTILIZED? # RESP. | 119 | 22 | 9 | 8 | 22 | 6 | 4 | 35 | 6 | 10 | 7 | 3 | 16 | 9 | 40 | 11 | 4 | - | 179 | 10 | 52 | 1 | 15 | 24 | 2 | 1 | 813 |
| % Yes | 48.7 | 50.0 | 55.6 | 62.5 | 50.0 | 66.7 | 50.0 | 62.9 | 66.7 | 50.0 | 35.7 | 33.3 | 56.2 | 66.7 | 50.0 | 63.3 | 50.0 | - | 52.9 | 70.0 | 57.7 | 0 | 73.3 | 54.1 | 0 | 0 | 53.6 |
| RECEIVED TRAINING IN EXPANDED FUNCTIONS - # RESPONDING | 135 | 23 | 9 | 9 | 23 | 7 | 4 | 36 | 6 | 11 | 8 | 3 | 16 | 9 | 42 | 10 | 4 | - | 184 | 10 | 53 | 1 | 16 | 26 | 2 | 1 | 852 |
| % Yes | 51.8 | 34.8 | 22.2 | 33.3 | 34.7 | 14.3 | 25.0 | 22.2 | 50.0 | 45.4 | 25.0 | 0 | 25.0 | 22.2 | 30.0 | 20.0 | 25.0 | - | 47.3 | 30.0 | 43.4 | 0 | 25.0 | 23.1 | 0 | 0 | 39.1 |
| YEARS PLAN TO WORK - # RESPONDING | 126 | 21 | 9 | 8 | 214 | 6 | 4 | 32 | 5 | 11 | 6 | 2 | 14 | 9 | 39 | 11 | 3 | - | 177 | 10 | 51 | 1 | 16 | 25 | 2 | 1 | 803 |
| 1 Year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 2 | 0 | 0 | 0 | 12.5 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 |
| 3 | 0.8 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 9.1 | 16.7 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 |
| 4 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.1 | 0 | 0 | 0 | 33.3 | - | 0.6 | 20.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 |
| 5 | 0 | 0 | 0 | 0 | 1.4 | 0 | 0 | 6.2 | 0 | 0 | 0 | 0 | 7.1 | 11.1 | 5.1 | 0 | 0 | - | 5.1 | 0 | 3.9 | 0 | 0 | 0 | 0 | 0 | 2.5 |
| 6 or More | 30.5 | 28.6 | 33.3 | 50.0 | 36.7 | 66.7 | 25.0 | 21.9 | 40.0 | 45.4 | 33.3 | 100 | 42.9 | 55.6 | 35.9 | 18.2 | 33.3 | - | 31.1 | 10.0 | 35.3 | 0 | 62.5 | 40.0 | 0 | 0 | 35.2 |
| Uncertain | 62.7 | 71.4 | 66.7 | 37.5 | 58.4 | 33.3 | 75.0 | 71.9 | 60.0 | 45.4 | 50.0 | 0 | 42.9 | 33.3 | 59.0 | 81.8 | 33.3 | - | 62.1 | 70.0 | 60.8 | 100 | 37.5 | 60.0 | 100 | 100 | 60.2 |

TABLE H.7 CURRENT AVERAGE HOURS WORKED AND METHODS USED TO UPGRADE SKILLS

| GOVERNOR'S PLANNING REGION | 00 | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 15 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CURRENT PROF. STATUS # RESPONDING | 147 | 24 | 9 | 10 | 241 | 7 | 3 | 35 | 8 | 13 | 8 | 3 | 15 | 9 | 46 | 11 | 6 | - | 101 | 10 | 57 | 1 | 10 | | 2 | 1 | 926 |
| % Employed Full Time | 30.6 | 41.7 | 77.8 | 30.0 | 49.4 | 28.6 | 66.7 | 57.1 | 25.0 | 46.1 | 62.5 | 33.3 | 38.9 | 55.6 | 65.2 | 54.5 | 33.3 | - | 57.0 | 30.0 | 49.1 | 0 | 50.0 | 50.0 | 100 | 100 | 49.2 |
| % Employed Part-Time | 31.3 | 33.3 | 22.2 | 30.0 | 33.6 | 57.1 | 33.3 | 34.2 | 25.0 | 30.7 | 12.5 | 33.3 | 33.3 | 33.3 | 24.3 | 36.4 | 16.7 | - | 24.6 | 70.0 | 29.8 | 100 | 33.3 | 21.4 | 0 | 0 | 30.3 |
| AVERAGE HOURS WORKED PER WEEK - # RESP. | 102 | 19 | 9 | 6 | 197 | 6 | 4 | 32 | 4 | 11 | 5 | 2 | 13 | 8 | 37 | 10 | 3 | - | 159 | 10 | 44 | 1 | 14 | 20 | 2 | 1 | 719 |
| 1 - 5 | 1.0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 25.0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | - | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 |
| 6 - 10 | 5.9 | 0 | 0 | 16.7 | 5.0 | 0 | 25.0 | 6.2 | 0 | 9.0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | - | 3.8 | 10.0 | 6.1 | 0 | 1.0 | 5.0 | 0 | 0 | 4.7 |
| 11 - 15 | 3.9 | 10.5 | 11.1 | 0 | 3.5 | 0 | 0 | 6.2 | 0 | 18.1 | 0 | 0 | 7.7 | 0 | 0 | 0 | 0 | - | 1.9 | 10.0 | 6.1 | 0 | 0 | 0 | 0 | 0 | 3.6 |
| 16 - 20 | 13.7 | 15.8 | 11.1 | 0 | 13.7 | 16.7 | 0 | 12.5 | 0 | 0 | 0 | 0 | 23.0 | 1 | 16.2 | 10.0 | 0 | - | 10.0 | 30.0 | 11.3 | 1 | 0 | 5.0 | 0 | 0 | 12.1 |
| 21 - 25 | 12.7 | 21.0 | 0 | 0 | 11.2 | 16.7 | 0 | 3.1 | 25.0 | 9.0 | 40.0 | 0 | 7.7 | 2 | 13.5 | 20.0 | 33.3 | - | 10.7 | 10.1 | 9.6 | 0 | 2.0 | 10.0 | 0 | 0 | 11.4 |
| 26 - 30 | 8.8 | 0 | 11.1 | 16.7 | 6.6 | 0 | 25.0 | 12.5 | 0 | 27.2 | 20.0 | 50.0 | 0 | 0 | 2.0 | 0 | 0 | - | 6.3 | 10.0 | 6.1 | 0 | 1.0 | 10.0 | 0 | 0 | 6.9 |
| 31 - 35 | 10.0 | 15.8 | 22.2 | 33.3 | 21.3 | 50.0 | 50.0 | 15.6 | 50.0 | 9.0 | 0 | 0 | 7.7 | 3 | 16.2 | 20.0 | 66.7 | - | 23.0 | 10.0 | 20.4 | 0 | 3.0 | 15.0 | 0 | 0 | 19.6 |
| 36 - 40 | 38.2 | 26.3 | 33.3 | 33.3 | 34.5 | 0 | 0 | 37.5 | 0 | 9.0 | 20.0 | 50.0 | 46.1 | 1 | 43.2 | 30.0 | 0 | - | 35.5 | 20.0 | 29.5 | 0 | 6.0 | 45.0 | 100 | 1 | 34.0 |
| Over 40 | 6.9 | 10.5 | 11.1 | 0 | 4.0 | 16.7 | 0 | 6.2 | 0 | 18.1 | 20.0 | 0 | 7.7 | 1.0 | 0.1 | 0 | 0 | - | 6.9 | 0 | 9.6 | 0 | 1.0 | 15.0 | 0 | 0 | 6.7 |
| UPGRADE SKILLS - # RESPONDING | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Formal Classroom | 21 | 1 | 2 | 3 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 2 | 0 | - | 16 | 0 | 4 | 0 | 1 | 4 | 0 | 0 | 74 |
| Conferences | 45 | 4 | 3 | 4 | 64 | 2 | 1 | 7 | 1 | 4 | 2 | 1 | 5 | 3 | 10 | 3 | 0 | - | 47 | 1 | 14 | 0 | 7 | 5 | 0 | 0 | 241 |
| Study Clubs | 15 | 2 | 1 | 0 | 11 | 0 | 0 | 11 | 1 | 1 | 0 | 0 | 3 | 1 | 4 | 1 | 0 | - | 10 | 0 | 5 | 0 | 2 | 5 | 0 | 0 | 73 |
| Journals | 100 | 14 | 7 | 8 | 176 | 5 | 4 | 27 | 5 | 11 | 7 | 1 | 15 | 8 | 35 | 7 | 5 | - | 141 | 8 | 47 | 1 | 14 | 21 | 2 | 0 | 677 |
| Professional Associations | 90 | 16 | 5 | 8 | 143 | 3 | 1 | 22 | 4 | 4 | 5 | 1 | 14 | 4 | 34 | 7 | 3 | - | 9 | 6 | 35 | 0 | 14 | 16 | 0 | 0 | 525 |
| Texts | 51 | 9 | 4 | 4 | 100 | 2 | 1 | 16 | 2 | 6 | 5 | 1 | 4 | 3 | 18 | 4 | 1 | - | 71 | 4 | 18 | 1 | 10 | 16 | 1 | 0 | 351 |
| Short Courses | 47 | 4 | 1 | 2 | 43 | 0 | 0 | 2 | 1 | 3 | 0 | 1 | 6 | 1 | 6 | 1 | 0 | - | 52 | 0 | 5 | 1 | 6 | 4 | 0 | 0 | 187 |
| Seminars | 79 | 12 | 7 | 3 | 26 | 2 | 0 | 17 | 3 | 3 | 3 | 2 | 8 | 1 | 31 | 4 | 1 | - | 90 | 1 | 30 | 0 | 9 | 9 | 0 | 0 | 441 |
| Evening Classes | 13 | 2 | 1 | 2 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | - | 6 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 43 |
| Day Classes | 11 | 1 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | - | 7 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 30 |
| Clinical Courses | 42 | 3 | 1 | 3 | 33 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 6 | 0 | 5 | 2 | 0 | - | 33 | 0 | 3 | 0 | 3 | 3 | 0 | 0 | 140 |

| | TABLE H.8 HYGIENISTS' SELF-REPORTING OF PROCEDURES PERFORMED | | | TABLE H.9 HYGIENISTS' SELF-REPORTING OF PROCEDURAL COMPETENCY | | | TABLE H.10 SUGGESTED REVIEW AND REVISION OF THE CURRENT DENTAL HYGIENE CURRICULUM | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PART-TIME | FULL TIME | TOTAL | PART TIME | FULL TIME | TOTAL | PART TIME | | FULL TIME | | TOTAL | |
| ORAL HYGIENE AND DISEASE PREVENTION | | | | | | | 275 | % | 446 | % | 909 | % |
| Prophylaxis | 10 | 10 | 10 | 1.0 | 1.0 | 1.0 | 6 | 2.2 | 20 | 4.5 | 32 | 3.5 |
| Topical application of drugs to teeth and soft tissues of the mouth | 1 | 1 | 1 | 1.1 | 1.1 | 1.2 | 10 | 3.6 | 28 | 6.3 | 44 | 4.8 |
| Radiographs | 2 | 2 | 2 | 1.1 | 1.1 | 1.1 | 16 | 5.8 | 31 | 7.0 | 64 | 7.0 |
| Take and record vital signs | 1 | 1 | 1 | 2.1 | 2.1 | 2.1 | 93 | 33.8 | 139 | 31.2 | 278 | 30.6 |
| Examination of soft and hard mouth tissue | 1 | 1 | 1 | 1.3 | 1.3 | 1.4 | 59 | 21.5 | 103 | 23.1 | 193 | 21.3 |
| Make dental plaque or oral mucosal smears | 1 | 1 | 1 | 2.6 | 2.4 | 2.6 | 102 | 37.1 | 137 | 30.7 | 291 | 32.0 |
| Dental health education, instructions | 2 | 10 | 10 | 1.0 | 1.0 | 1.1 | 17 | 6.2 | 38 | 8.5 | 69 | 7.6 |
| Dental related nutritional counseling | 1 | 1 | 1 | 1.6 | 1.6 | 1.6 | 70 | 25.5 | 122 | 27.4 | 231 | 25.4 |
| SURGERY RELATED SKILLS | | | | | | | | | | | | |
| Socket dressing insertion and removal | 1 | 1 | 1 | 3.0 | 2.8 | 2.9 | 137 | 49.8 | 202 | 45.3 | 411 | 45.3 |
| Periodontal pack placement and removal | 1 | 1 | 1 | 2.9 | 2.7 | 2.8 | 143 | 52.0 | 203 | 45.5 | 423 | 46.6 |
| Suture removal | 1 | 1 | 1 | 2.3 | 2.0 | 2.1 | 86 | 31.3 | 100 | 23.1 | 236 | 26.0 |
| ORTHODONTIC RELATED SKILLS | | | | | | | | | | | | |
| Determining size of preformed crowns or bands | 1 | 1 | 1 | 3.7 | 3.6 | 3.6 | 147 | 53.5 | 249 | 55.8 | 478 | 52.6 |
| Placement of ligatures on seated archwires | 1 | 1 | 1 | 3.8 | 3.7 | 3.7 | 151 | 55.0 | 247 | 55.4 | 484 | 53.3 |
| Removing, cutting, tucking of orthodontic lig. | 1 | 1 | 1 | 3.7 | 3.6 | 3.6 | 148 | 53.8 | 242 | 54.3 | 474 | 52.2 |
| Removal of tension devises and defective bands or archwires | 1 | 1 | 1 | 3.7 | 3.7 | 3.7 | 149 | 53.8 | 243 | 54.5 | 477 | 52.5 |
| OPERATIVE RELATED SKILLS | | | | | | | | | | | | |
| Celluloid strip placement and removal | 1 | 1 | 1 | 3.3 | 3.0 | 3.2 | 127 | 46.2 | 192 | 43.0 | 388 | 42.7 |
| Rubber dam placemnt and removal | 1 | 1 | 1 | 3.2 | 3.0 | 3.1 | 135 | 49.1 | 199 | 44.6 | 405 | 44.6 |
| Placement and removal of temporary medicinal fillings | 1 | 1 | 1 | 2.6 | 2.3 | 2.5 | 119 | 43.3 | 170 | 38.1 | 353 | 38.9 |

1 - Under 2 Hours Per Month
2 - 2 - 5 Hours Per Month
3 - 6 - 9 Hours Per Month
4 - 10 - 14 Hours Per Month
5 - 15 - 19 Hours Per Month
6 - 20 - 24 Hours Per Month
7 - 25 - 29 Hours Per Month
8 - 30 - 34 Hours Per Month
9 - 35 - 39 Hours Per Month
10 - 40 Or More Hours Per Month

1 - Very Competent
2 - Competent
3 - Rusty
4 - Require Training

TABLE D.1 SELECTED CHARACTERISTIC'S OF DENTISTS RESPONDING TO THE SURVEY

| GOVERNOR'S PLANNING REGION | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL PERSONS ON FILE | 114 | 108 | 97 | 1268 | 50 | 67 | 187 | 102 | 115 | 61 | 47 | 92 | 61 | 252 | 39 | 67 | 1183 | 45 | 431 | 17 | 145 | 150 | 34 | 34 | 4726 |
| PERSONS RESPONDING | 43 | 35 | 40 | 545 | 22 | 24 | 73 | 38 | 36 | 35 | 22 | 34 | 26 | 121 | 18 | 21 | 423 | 19 | 178 | 6 | 43 | 63 | 15 | 13 | 1893 |
| % RESPONDING | 37.7 | 32.4 | 41.2 | 43.0 | 44.0 | 35.8 | 39.0 | 37.3 | 31.3 | 43.2 | 46.8 | 37.0 | 42.6 | 48.0 | 46.2 | 31.3 | 35.8 | 42.2 | 41.3 | 35.3 | 29.7 | 42.0 | 44.1 | 38.2 | 39.0 |
| SEX - PERSONS RESPONDING | 43 | 35 | 40 | 543 | 22 | 24 | 73 | 37 | 36 | 35 | 22 | 34 | 26 | 121 | 17 | 21 | 421 | 19 | 179 | 6 | 42 | 61 | 15 | 12 | 1883 |
| % Male | 100 | 100 | 100 | 98.9 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 99.1 | 100 | 99.4 | 100 | 97.6 | 98.4 | 100 | 100 | 99.3 |
| AGE - PERSONS RESPONDING | 42 | 34 | 39 | 542 | 22 | 23 | 72 | 37 | 36 | 34 | 22 | 33 | 23 | 119 | 18 | 21 | 423 | 19 | 178 | 6 | 43 | 63 | 15 | 13 | 1877 |
| % Under 25 | - | - | - | - | - | - | 1.4 | - | - | - | - | - | - | - | - | - | - | - | .6 | - | - | - | - | - | .1 |
| % 25 - 29 | 7.1 | 14.7 | 5.1 | 10.2 | 4.5 | 4.4 | 15.3 | 10.1 | 5.6 | 5.9 | 9.1 | 6.1 | 17.4 | 13.5 | - | 14.3 | 14.2 | 5.3 | 7.3 | 16.7 | 11.6 | 9.5 | - | - | 10.6 |
| % 30 - 34 | 21.4 | 5.9 | 2.6 | 22.7 | 13.6 | 21.7 | 27.8 | 10.3 | 27.8 | 8.8 | 13.6 | 18.2 | 21.7 | 22.7 | 33.3 | 23.8 | 20.8 | 15.8 | 19.7 | 33.3 | 11.6 | 23.8 | 13.3 | 30.8 | 20.6 |
| % 35 - 39 | 23.8 | 14.7 | 20.5 | 18.8 | 36.4 | 21.7 | 16.7 | 18.9 | 13.9 | 8.8 | 13.6 | 9.1 | 17.4 | 16.8 | 11.1 | 19.1 | 16.1 | 5.3 | 10.7 | 16.7 | 18.6 | 12.7 | 13.3 | 7.7 | 16.5 |
| % 40 - 50 | 33.3 | 38.2 | 23.1 | 27.3 | 22.7 | 26.1 | 22.2 | 32.4 | 27.8 | 41.2 | 27.3 | 21.2 | 17.4 | 26.9 | 33.3 | 28.6 | 29.1 | 21.1 | 30.3 | 33.3 | 25.6 | 27.0 | 46.7 | 30.8 | 28.2 |
| % 50 - 60 | 11.9 | 23.5 | 28.2 | 15.5 | 9.1 | 8.7 | 8.3 | 16.2 | 19.4 | 32.4 | 27.3 | 30.3 | 13.0 | 11.8 | 5.6 | 9.5 | 15.1 | 31.6 | 21.4 | - | 27.9 | 23.8 | 13.3 | 15.4 | 16.9 |
| % Over 60 | 2.4 | 2.9 | 20.5 | 5.5 | 13.6 | 17.4 | 8.3 | 10.8 | 5.6 | 2.9 | 9.1 | 15.2 | 13.0 | 8.4 | 16.7 | 4.8 | 4.7 | 21.1 | 10.1 | - | 4.7 | 3.2 | 13.3 | 15.4 | 7.1 |
| TDA MEMBER - PERSONS RESPONDING | 41 | 32 | 33 | 501 | 19 | 19 | 68 | 35 | 34 | 32 | 22 | 30 | 24 | 108 | 17 | 21 | 392 | 18 | 156 | 6 | 38 | 58 | 12 | 12 | 1726 |
| % Yes | 97.6 | 93.8 | 97.0 | 96.0 | 100 | 94.7 | 98.5 | 97.1 | 94.1 | 96.9 | 100 | 96.7 | 91.7 | 97.2 | 100 | 90.5 | 92.9 | 100 | 94.2 | 66.7 | 100 | 96.6 | 100 | 91.7 | 95.4 |
| YEARS PRACTICED - PERSONS RESPONDING | 41 | 35 | 39 | 545 | 21 | 23 | 72 | 38 | 36 | 35 | 22 | 33 | 26 | 118 | 16 | 21 | 418 | 19 | 177 | 6 | 43 | 61 | 15 | 13 | 1873 |
| % 1 - 5 | 19.5 | 17.1 | 10.3 | 26.2 | 28.6 | 13.0 | 33.3 | 18.4 | 19.4 | 11.4 | 18.2 | 24.2 | 30.8 | 36.4 | 25.0 | 28.6 | 27.5 | 10.5 | 19.8 | 50.0 | 20.9 | 23.0 | 6.7 | 23.1 | 24.9 |
| % 6 - 10 | 26.8 | 20.0 | 10.3 | 22.9 | 23.8 | 30.4 | 23.6 | 21. | 27.8 | 14.3 | 18.2 | 9.1 | 15.4 | 16.1 | 6.3 | 23.8 | 22.0 | 10.5 | 14.1 | 16.7 | 18.6 | 16.4 | 26.7 | 23.1 | 20.3 |
| % 11 - 15 | 21.9 | 17.1 | 18.0 | 14.1 | 14.3 | 17.4 | 12.5 | 15.8 | 13.9 | 17.1 | 18.2 | 12.1 | 15.4 | 12.7 | 31.3 | 9.5 | 18.2 | 5.3 | 13.0 | 16.7 | 16.3 | 18.0 | 20.0 | 30.3 | 15.6 |
| % 16 - 20 | 12.2 | 17.1 | 12.8 | 11.0 | 4.8 | 4.4 | 6.9 | 13.2 | 16.7 | 17.1 | 13.6 | 9.1 | 7.7 | 10.2 | - | 4.8 | 9.6 | 21.1 | 15.3 | 16.7 | 9.3 | 8.2 | 13.3 | - | 10.3 |
| % 21 - 30 | 14.6 | 25.7 | 25.6 | 16.9 | 9.5 | 13.0 | 12.5 | 18.4 | 13.9 | 22.9 | 22.7 | 21.2 | 11.5 | 16.1 | 12.5 | 19.1 | 16.8 | 26.3 | 21.5 | - | 27.9 | 27.9 | 20.0 | 7.7 | 17.8 |
| % 31 - 40 | 2.4 | - | 5.1 | 6.2 | 19.1 | 8.7 | 1.4 | 2.6 | 2.8 | 14.3 | 9.1 | 18.2 | 15.4 | 4.2 | 12.5 | 9.5 | 4.1 | 10.5 | 5.0 | - | 4.7 | 4.9 | - | 7.7 | 6.0 |
| % Over 40 | 2.4 | 2.9 | 18.0 | 2.6 | - | 13.0 | 9.7 | 10.8 | 5.6 | 2.9 | - | 6.1 | 3.9 | 4.2 | 12.5 | 4.8 | 2.6 | 15.8 | 7.3 | - | 2.3 | 1.6 | 13.3 | 7.7 | 4.4 |
| TYPE OF PRACTICE - PERSONS RESPONDING | 42 | 35 | 40 | 539 | 22 | 24 | 73 | 38 | 36 | 33 | 22 | 34 | 24 | 121 | 18 | 21 | 420 | 18 | 174 | 5 | 41 | 61 | 15 | 13 | 1359 |
| % Specialist | 14.3 | 20.0 | 17.5 | 19.7 | 18.2 | 8.3 | 11.0 | 13.2 | 22.2 | 18.2 | 13.6 | 26.5 | 16.7 | 19.0 | 5.6 | 9.5 | 22.4 | 11.1 | 29.9 | 20.0 | 12.2 | 16.4 | 6.7 | 15.4 | 19.7 |
| % General Practitioner | 85.7 | 80.0 | 82.5 | 80.3 | 81.8 | 91.7 | 89.0 | 86.8 | 77.8 | 81.8 | 86.4 | 73.5 | 83.3 | 81.0 | 94.4 | 90.5 | 77.6 | 88.9 | 70.1 | 80.0 | 87.8 | 83.6 | 93.3 | 84.6 | 80.3 |

TABLE D.2 HYGIENISTS EMPLOYED - DENTISTS

| GOVERNOR'S PLANNING REGION | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 15 | 17 | 17A | 18B | 19 | 20 | 21 | CC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL PERSONS ON FILE | 114 | 108 | 97 | 1260 | 50 | 67 | 187 | 102 | 115 | 81 | 47 | 92 | 61 | 252 | 39 | 57 | 1183 | 45 | 431 | 17 | 145 | 150 | 34 | 34 | 4706 |
| PERSONS RESPONDING | 43 | 35 | 40 | 545 | 22 | 24 | 73 | 38 | 36 | 35 | 22 | 34 | 26 | 121 | 18 | 21 | 423 | 19 | 178 | 6 | 43 | 63 | 15 | 13 | 1893 |
| % RESPONDING | 37.7 | 32.4 | 41.2 | 43.0 | 44.0 | 35.8 | 39.0 | 37.3 | 31.3 | 43.2 | 46.8 | 37.0 | 42.6 | 48.0 | 46.2 | 31.3 | 35.8 | 42.2 | 41.3 | 35.3 | 29.7 | 42.0 | 44.1 | 38.2 | 39.6 |
| CURRENT HYG. EMPLOYED - # RESPONDING | 43 | 38 | 40 | 543 | 23 | 23 | 73 | 39 | 36 | 35 | 22 | 33 | 26 | 120 | 13 | 21 | 412 | 19 | 176 | 4 | 42 | 59 | 15 | 12 | 1870 |
| None | 20 | 27 | 31 | 312 | 15 | 16 | 37 | 30 | 29 | 27 | 15 | 23 | 14 | 75 | 11 | 17 | 236 | 11 | 113 | 4 | 23 | 33 | 11 | 8 | 1133 |
| 1 | 21 | 9 | 9 | 208 | 6 | 7 | 35 | 9 | 5 | 8 | 7 | 9 | 12 | 43 | 5 | 4 | 166 | 8 | 56 | - | 16 | 26 | 4 | 4 | 677 |
| 2 | 2 | 0 | 0 | 20 | 2 | - | 1 | - | 2 | 0 | - | 1 | - | 2 | 2 | - | 9 | - | 6 | - | 3 | - | - | - | 50 |
| 3 or More | - | 0 | 0 | 3 | 0 | - | 0 | - | 0 | 0 | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | 5 |
| SEEKING HYG. IMMED. - # RESPONDING | 40 | 31 | 32 | 477 | 21 | 16 | 67 | 34 | 32 | 30 | 20 | 25 | 20 | 100 | 17 | 18 | 362 | 16 | 154 | 4 | 39 | 51 | 15 | 12 | 1633 |
| None | 37 | 30 | 29 | 453 | 19 | 15 | 60 | 26 | 29 | 21 | 19 | 22 | 17 | 95 | 17 | 15 | 340 | 15 | 140 | 4 | 34 | 48 | 10 | 11 | 1536 |
| 1 | 2 | 1 | 3 | 21 | 2 | 1 | 6 | 7 | 2 | 8 | 1 | 3 | 3 | 5 | - | 3 | 18 | 1 | 11 | - | 4 | 3 | 5 | 1 | 111 |
| 2 | - | 0 | 0 | 0 | 0 | - | 0 | - | 1 | 0 | - | - | - | - | - | - | 2 | - | - | - | 1 | - | - | - | 4 |
| 3 or More | - | 0 | 0 | 1 | 0 | - | 0 | - | 0 | 0 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 2 |
| Uncertain | 1 | 0 | 0 | 2 | 0 | - | 1 | 1 | 0 | 1 | - | - | - | - | - | - | 1 | - | 3 | - | - | - | - | - | 10 |
| ADDITIONAL HYG. NEEDED '75 - # RESPONDING | 35 | 24 | 16 | 413 | 16 | 13 | 60 | 24 | 27 | 24 | 14 | 20 | 13 | 82 | 13 | 13 | 309 | 14 | 121 | 3 | 35 | 41 | 10 | 10 | 1350 |
| None | 30 | 20 | 14 | 358 | 13 | 10 | 45 | 21 | 20 | 20 | 12 | 18 | 9 | 64 | 11 | 11 | 253 | 13 | 98 | 3 | 33 | 38 | 7 | 9 | 1130 |
| 1 | 4 | 3 | 1 | 34 | 2 | 3 | 12 | 1 | 3 | 3 | 2 | - | 4 | 15 | 2 | 2 | 44 | 1 | 13 | - | 1 | 2 | 1 | 1 | 154 |
| 2 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 1 | - | - | 1 | - | - | - | - | 2 | - | 1 | - | - | - | - | - | 5 |
| 3 or More | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | - | - | - | - | - | - | - | - | 0 | - | - | - | - | - | - |
| Uncertain | 1 | 1 | 1 | 21 | 1 | - | 3 | 2 | 3 | 1 | - | 1 | - | 3 | - | - | 10 | - | 9 | - | 1 | 1 | 2 | - | 61 |
| ADDITIONAL HYG. NEEDED '76 - # RESPONDING | 31 | 23 | 18 | 396 | 16 | 12 | 53 | 25 | 24 | 21 | 13 | 16 | 14 | 76 | 11 | 12 | 285 | 13 | 121 | 3 | 34 | 40 | 9 | 11 | 1277 |
| None | 28 | 19 | 14 | 321 | 12 | 11 | 39 | 20 | 17 | 19 | 11 | 13 | 8 | 50 | 8 | 9 | 213 | 12 | 93 | 2 | 28 | 36 | 7 | 9 | 1007 |
| 1 | 1 | 3 | 4 | 43 | 2 | 1 | 11 | 3 | 3 | 2 | 2 | 1 | 5 | 15 | 2 | 3 | 52 | 1 | 15 | 1 | 3 | 2 | - | 2 | 177 |
| 2 | - | 0 | 0 | 2 | 0 | - | 0 | - | 1 | - | - | 1 | 1 | - | - | - | 5 | - | 2 | - | - | - | - | - | 12 |
| 3 or More | - | 0 | 0 | 0 | 0 | - | 0 | - | 0 | - | - | - | - | - | - | - | 0 | - | 0 | - | - | - | - | - | 0 |
| Uncertain | 2 | 1 | 0 | 30 | 2 | - | 3 | 2 | 3 | - | - | 1 | - | 3 | 1 | - | 15 | - | 11 | - | 3 | 2 | 2 | - | 91 |
| ADDITIONAL HYG. NEEDED '77 - # RESPONDING | 31 | 26 | 15 | 383 | 15 | 11 | 50 | 22 | 23 | 21 | 12 | 16 | 12 | 72 | 10 | 12 | 272 | 14 | 123 | 2 | 34 | 40 | 10 | 10 | 1230 |
| None | 28 | 19 | 14 | 313 | 11 | 11 | 34 | 19 | 17 | 19 | 10 | 11 | 9 | 56 | 8 | 10 | 193 | 13 | 89 | 1 | 27 | 33 | 8 | 9 | 902 |
| 1 | - | 6 | 1 | 38 | 2 | - | 12 | 1 | 2 | 2 | 1 | 1 | 1 | 13 | 1 | 2 | 54 | 1 | 17 | - | 3 | 5 | - | 1 | 164 |
| 2 | - | 0 | 0 | 1 | 0 | - | 0 | - | 1 | - | - | 1 | 2 | - | - | - | 6 | - | 1 | - | - | - | - | - | 12 |
| 3 or More | - | 0 | 0 | 0 | 0 | - | 0 | - | 0 | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | 2 |
| Uncertain | 3 | 1 | 0 | 31 | 2 | - | 4 | 2 | [illegible] | - | 1 | 3 | - | 3 | 1 | - | 18 | - | 15 | 1 | 4 | 2 | 2 | - | 96 |

TABLE D.3 SELECTED RESPONSES OF DENTISTS BY EMPLOYMENT CATEGORY

1 Employ No Hygienists

2 Employ 1 Hygienist

3 Employ 2 Hygienists

4 Employ 3 or More Hygienists

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| AGE - PERSONS RESPONDING | 1117 | 671 | 49 | 5 |
| Under 25 | .2 | - | - | - |
| 25 - 29 | 12.7 | 7.3 | 10.2 | - |
| 30 - 34 | 21.8 | 18.9 | 22.5 | - |
| 35 - 39 | 13.8 | 21.2 | 16.3 | 20.0 |
| 40 - 50 | 25.7 | 32.8 | 32.7 | 20.0 |
| 50 - 60 | 17.1 | 16.2 | 12.2 | 40.0 |
| Over 60 | 8.7 | 3.6 | 6.1 | 20.0 |
| TDA MEMBER - PERSONS RESPONDING | 1023 | 620 | 48 | 4 |
| Yes | 94.0 | 98.1 | 97.9 | 100 |
| NUMBER YEARS PRACTICED - PERSONS RESP. | 1117 | 671 | 49 | 5 |
| 1 - 5 | 30.1 | 17.3 | 18.4 | - |
| 6 - 10 | 17.6 | 24.7 | 24.5 | 20.0 |
| 11 - 15 | 12.7 | 20.6 | 14.3 | 40.0 |
| 16 - 20 | 10.8 | 10.7 | 18.4 | - |
| 21 - 30 | 16.6 | 20.1 | 12.2 | 20.0 |
| 31 - 40 | 6.1 | 5.4 | 8.2 | - |
| Over 40 | 6.1 | 1.2 | 4.1 | 20.0 |
| TYPE OF PRACTICE - PERSONS RESPONDING | 1119 | 670 | 49 | 3 |
| Specialist | 26.6 | 8.7 | 10.2 | - |
| General Practitioner | 73.4 | 91.3 | 89.8 | 100 |
| TYPE OF PRACTICE - PERSONS RESPONDING | 871 | 527 | 42 | 1 |
| Private | 81.3 | 71.6 | 45.2 | - |
| Corporate | 14.8 | 20.9 | 38.1 | - |
| Partnership | 3.9 | 4.6 | 16.7 | 100 |

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| NUMBER HYGIENISTS SEEKING TO EMPLOY IMMEDIATELY PER. RESP. | 966 | 616 | 44 | |
| None | 90.5 | 94.6 | 95.5 | |
| 1 | 8.3 | 4.9 | 2.3 | |
| 2 | .3 | .2 | - | |
| 3 or More | 0 | .2 | 2.3 | |
| Uncertain | .9 | .2 | - | |
| NUMBER OF HYGIENISTS PLAN TO EMPLOY IN 1975 - PER. RESP. | 770 | 537 | 39 | |
| None | 82.5 | 84.7 | 94.9 | |
| 1 | 11.7 | 11.6 | 2.6 | |
| 2 | .3 | .6 | - | |
| 3 or More | 0 | - | - | |
| Uncertain | 5.6 | 3.2 | 2.6 | |
| NUMBER OF HYGIENISTS PLAN TO EMPLOY IN 1976 - PER. RESP | 726 | 508 | 39 | |
| None | 76.6 | 81.5 | 89.7 | |
| 1 | 15.3 | 12.2 | 5.1 | |
| 2 | .3 | 2.0 | - | |
| 3 or More | - | - | - | |
| Uncertain | 7.9 | 4.3 | 5.1 | |
| NUMBER HYGIENISTS PLAN TO EMPLOY IN 1977 - PER. RESP. | 701 | 495 | 39 | |
| None | 74.3 | 82.4 | 84.6 | |
| 1 | 16.0 | 9.7 | 7.7 | |
| 2 | .3 | 2.0 | - | |
| 3 or More | - | .4 | - | |
| Uncertain | 9.4 | 5.5 | 7.7 | |

| | 1 | 2 | 3 |
|---|---|---|---|
| HYGIENISTS HIRED SINCE JAN. 1, 1972 - PERSONS RESPONDING | 1066 | 655 | 48 |
| 0 | 945 | 87 | 6 |
| % | 88.6 | 13.3 | 12.5 |
| 1 | 71 | 282 | 18 |
| % | 6.7 | 43.0 | 37.5 |
| 2 | 34 | 171 | 14 |
| % | 3.2 | 26.1 | 29.2 |
| 3 | 12 | 83 | 4 |
| % | 1.1 | 12.6 | 8.3 |
| 4 | 4 | 15 | 3 |
| % | .4 | 2.4 | 6.3 |
| 5 | - | 8 | 2 |
| % | - | 1.2 | 4.2 |
| 6 | - | 6 | 0 |
| % | - | .9 | - |
| 7 | - | 2 | 1 |
| % | - | .3 | 2.1 |
| 8 | - | 0 | - |
| % | - | - | - |
| 9 | - | 1 | - |
| % | - | .2 | - |
| 10 | - | 0 | - |
| % | - | - | - |
| DDS IN TEXAS - PERSONS RESPONDING | 967 | 657 | 47 |
| Yes | 80.0 | 85.1 | 89.4 |
| FORMAL TRAINING IN USE OF DENTAL AUXILIARIES - PERSONS RESPONDING | 942 | 645 | 47 |
| Yes | 46.4 | 38.6 | 31.9 |
| FORMAL TRAINING IN USE OF EXPANDED FUNCTIONS - PERSONS RESPONDING | 924 | 643 | 47 |
| Yes | 25.9 | 20.1 | 19.2 |
| IF ABOVE AVAILABLE, WOULD PARTICIPATE PERSONS RESPONDING | 843 | 599 | 42 |
| Yes | 67.0 | 74.8 | 78.6 |

TABLE D.4 HYGIENISTS HIRED BY DENTISTS SINCE JANUARY 1, 1972

| | 00 | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 15 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER OF HYGIENISTS HIRED SINCE JANUARY 1, 1972 - # RESPONDING | | 40 | 35 | 33 | 519 | 19 | 22 | 67 | 38 | 33 | 32 | 21 | 31 | 24 | 118 | 17 | 21 | - | 408 | 18 | 167 | 4 | 40 | 59 | 14 | 12 | 1792 |
| None | | 32 | 29 | 29 | 407 | 14 | 22 | 54 | 36 | 29 | 30 | 17 | 24 | 15 | 90 | 13 | 15 | - | 314 | 17 | 131 | 3 | 31 | 50 | 13 | 11 | 1420 |
| 1 | | 5 | 5 | 3 | 65 | 4 | - | 6 | 2 | 3 | 1 | 4 | 3 | 5 | 18 | 3 | 5 | - | 50 | 1 | 21 | - | 7 | 8 | 1 | 1 | 221 |
| 2 | | 2 | 1 | 1 | 33 | - | - | 5 | - | - | 1 | - | 3 | 4 | 8 | - | 1 | - | 29 | - | 8 | 1 | 1 | 1 | - | - | 99 |
| 3 | | 1 | - | - | 9 | 1 | - | 1 | - | 1 | - | - | 1 | - | - | - | - | - | 8 | - | 2 | - | 1 | - | - | - | 25 |
| 4 | | - | - | - | 2 | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | 3 | - | 3 | - | - | - | - | - | 10 |
| 5 | | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 3 | - | 2 | - | - | - | - | - | 7 |
| 6 | | - | - | - | 2 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 |
| 7 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| 9 or More | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| AVERAGE LENGTH OF EMPLOYMENT - # RESP. | | | | | | | | | | | | | | | | | | | | | | | | | | | 1041 |
| Less than 3 months | | | | | | | | | | | | | | | | | | | | | | | | | | | 25.5 |
| 3 - 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9.1 |
| 6 - 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9.7 |
| 9 - 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9.5 |
| 12 - 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | 15.3 |
| 18 - 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | 7.7 |
| 24 - 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9.7 |
| 36 - 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.5 |
| 48 and over | | | | | | | | | | | | | | | | | | | | | | | | | | | 8.8 |

TABLE D.5 CURRENT WEEKLY SALARY PAID HYGIENISTS AND CURRENT ANNUAL PAYROLL REPORTED BY DENTISTS

| | 00 | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 15 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CURRENT WEEKLY SALARY # - RESPONDING | | 21 | 9 | 10 | 1 | 6 | 8 | 31 | 13 | 13 | 8 | 8 | 11 | 9 | 42 | 7 | 6 | - | 155 | 3 | 56 | 0 | 15 | 28 | 2 | 5 | 645 |
| % Under $50 | | 4.8 | 0 | 0 | 5.0 | 0 | 12.5 | 9.7 | 0 | 15.4 | 0 | 0 | 9.1 | 22.2 | 9.5 | 14.3 | 0 | - | 3.9 | 0 | 5.4 | 0 | 13.3 | 3.6 | 0 | 0 | 5.6 |
| $50 - $74 | | 14.3 | 0 | 0 | 4.5 | 0 | 0 | 13.0 | 0 | 7.7 | 12.5 | 12.5 | 9.1 | 0 | 7.1 | 0 | 0 | - | 5.9 | 33.3 | 14.3 | 0 | 13.3 | 7.1 | 0 | 40.0 | 7.1 |
| $75 - $99 | | 9.5 | 0 | 0 | 6.7 | 16.7 | 12.5 | 16.1 | 0 | 7.7 | 12.5 | 12.5 | 0 | 11.1 | 7.1 | 14.3 | 16.7 | - | 7.1 | 0 | 10.7 | 0 | 0 | 7.1 | 0 | 0 | 7.6 |
| $100 - $124 | | 9.5 | 11.1 | 30.0 | 7.2 | 33.3 | 12.5 | 9.7 | 0 | 7.7 | 0 | 0 | 0 | 0 | 14.3 | 0 | 0 | - | 5.2 | 0 | 7.1 | 0 | 13.3 | 10.7 | 0 | 20.0 | 7.9 |
| $125 - $149 | | 14.3 | 11.1 | 10.0 | 7.8 | 0 | 12.5 | 9.7 | 23.1 | 15.4 | 12.5 | 0 | 9.1 | 0 | 4.8 | 14.3 | 16.7 | - | 10.3 | 0 | 8.9 | 0 | 26.7 | 14.3 | 0 | 0 | 9.8 |
| $150 - $174 | | 14.3 | 0 | 10.0 | 14.0 | 0 | 25.0 | 22.6 | 30.1 | 7.7 | 0 | 25.0 | 27.3 | 33.3 | 14.3 | 57.1 | 33.3 | - | 13.1 | 33.3 | 21.4 | 0 | 13.3 | 22.6 | 50.0 | 0 | 17.5 |
| $175 - $199 | | 9.5 | 11.1 | 10.0 | 26.3 | 16.7 | 12.5 | 6.4 | 46.1 | 15.4 | 37.5 | 25.0 | 27.3 | 22.2 | 16.7 | 0 | 33.3 | - | 24.5 | 0 | 12.5 | 0 | 20.0 | 17.9 | 50.0 | 0 | 21.1 |
| Over $200 | | 23.1 | 66.7 | 40.0 | 29.5 | 33.3 | 12.5 | 13.0 | 0 | 23.1 | 25.0 | 25.0 | 18.2 | 11.1 | 26.2 | 0 | 0 | - | 25.2 | 33.3 | 19.6 | 0 | 0 | 10.7 | 0 | 40.0 | 23.1 |
| CURRENT ANNUAL PAYROLL - # RESPONDING | | 20 | 9 | 11 | 15 | 6 | 10 | 25 | 11 | 10 | 11 | 8 | 8 | 9 | 42 | 6 | 6 | - | 169 | 6 | 57 | 0 | 16 | 21 | 3 | 4 | 653 |
| % Under $5,000 | | 35.0 | 0 | 9.1 | 13.3 | 16.7 | 50.0 | 40.0 | 18.2 | 30.0 | 18.2 | 20.0 | 12.5 | 33.3 | 20.0 | 16.7 | 33.3 | - | 13.0 | 16.7 | 24.6 | 0 | 25.0 | 23.8 | 0 | 50.0 | 18.1 |
| $5,000 - $9,999 | | 50.0 | 33.3 | 63.6 | 43.1 | 33.3 | 50.0 | 40.0 | 81.2 | 20.0 | 72.7 | 40.0 | 62.5 | 33.3 | 47.5 | 83.3 | 50.0 | - | 47.9 | 50.0 | 43.1 | 0 | 68.7 | 57.1 | 66.7 | 50.0 | 47.2 |
| $10,000 - $14,999 | | 15.0 | 66.7 | 18.2 | 36.0 | 33.3 | 0 | 20.0 | 0 | 40.0 | 9.1 | 40.0 | 12.5 | 33.3 | 30.0 | 0 | 16.7 | - | 27.8 | 33.3 | 28.1 | 0 | 6.2 | 19.0 | 33.3 | 0 | 27.6 |
| $15,000 - $19,999 | | 0 | 0 | 0 | 3.6 | 16.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 0 | 0 | - | 0.3 | 0 | 1.7 | 0 | 0 | 0 | 0 | 0 | 3.7 |
| $20,000 - $24,999 | | 0 | 0 | 9.1 | 2.6 | 0 | 0 | 0 | 0 | 10.0 | 0 | 0 | 0 | 12.5 | 0 | 0 | 0 | - | 1.2 | 0 | 1.7 | 0 | 0 | 0 | 0 | 0 | 1.7 |
| $25,000 - $29,999 | | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0.6 | 0 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0.6 |
| $30,000 or More | | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1.2 | 0 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0.6 |

TABLE 8.6 MEAN FREQUENCY WITH WHICH PROCEDURES ARE USED BY HYGIENISTS

(DENTISTS' RATING)

| GOVERNOR'S PLANNING REGION | 01 | 02 | 03 | 4A | 4B | 05 | 06 | 07 | 08 | 09 | 10 | 11A | 11B | 12 | 13 | 14 | 16 | 17 | 18A | 18B | 19 | 20 | 21 | CC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ORAL HYGIENE AND DISEASE PREVENTION | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prophylaxis | 1.1 | 1.0 | 1.0 | 1.1 | 1.0 | 1.7 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.6 | 1.0 | 1.2 | 1.0 | 1.0 | 1.1 | 1.0 | 1.2 | 2.0 | 1.4 | 1.4 | 1.0 | 1.2 | 1.1 |
| Topical application of drugs to teeth and soft tissues of the mouth | 1.5 | 2.0 | 1.2 | 1.4 | 1.0 | 2.0 | 1.7 | 1.2 | 1.1 | 1.3 | 1.4 | 2.0 | 1.7 | 1.5 | 1.0 | 1.0 | 1.4 | 1.3 | 1.4 | 2.0 | 1.4 | 1.4 | 1.0 | 1.3 | 1.4 |
| Radiographs | 1.2 | 1.0 | 1.4 | 1.1 | 1.1 | 1.7 | 1.2 | 1.1 | 1.2 | 1.1 | 1.4 | 1.7 | 1.1 | 1.3 | 1.0 | 1.1 | 1.2 | 1.0 | 1.5 | 2.0 | 1.4 | 1.2 | 1.0 | 1.2 | 1.2 |
| Take and Record Vital Signs | 1.6 | 1.7 | 3.1 | 2.2 | 2.6 | 2.3 | 2.8 | 2.8 | 1.8 | 3.0 | 2.1 | 2.7 | 2.7 | 2.1 | 5.0 | 4.7 | 2.7 | 2.0 | 2.3 | - | 2.9 | 2.7 | 1.0 | 2.1 | 2.4 |
| Examination of Soft and Hard Mouth Tissue | 1.1 | 1.0 | 1.3 | 1.1 | 1.0 | 1.3 | 1.4 | 1.0 | 1.0 | 1.0 | 1.4 | 1.4 | 1.0 | 1.1 | 1.2 | 1.0 | 1.1 | 1.0 | 1.4 | 2.0 | 1.2 | 1.3 | 1.0 | 1.3 | 1.2 |
| Make Dental Plaque or Oral Mucosal Smears | 3.0 | 1.0 | 2.9 | 2.3 | 3.5 | 2.0 | 4.1 | 1.8 | 2.0 | 3.0 | 2.3 | 3.3 | 2.9 | 2.1 | 3.0 | 4.0 | 2.8 | 2.0 | 3.1 | - | 3.3 | 2.1 | 1.0 | 3.5 | 2.6 |
| Dental Health Education, Instructions | 1.1 | 1.0 | 1.0 | 1.1 | 1.0 | 1.6 | 1.3 | 1.2 | 1.0 | 1.0 | 1.8 | 1.4 | 1.0 | 1.2 | 1.0 | 1.0 | 1.1 | 1.0 | 1.2 | 2.0 | 1.5 | 1.1 | 1.0 | 1.5 | 1.1 |
| Dental Related Nutritional Counseling | 1.9 | 1.1 | 1.7 | 1.4 | 1.3 | 1.8 | 1.7 | 1.4 | 1.2 | 2.0 | 2.3 | 2.0 | 2.2 | 1.7 | 2.5 | 2.3 | 1.5 | 1.6 | 1.6 | 2.0 | 1.8 | 1.8 | 1.0 | 3.0 | 1.6 |
| SURGERY RELATED SKILLS | | | | | | | | | | | | | | | | | | | | | | | | | |
| Socket Dressing Insertion and Removal | 3.6 | - | 4.0 | 3.3 | 3.5 | 3.5 | 3.3 | 3.0 | 2.2 | 3.5 | 2.7 | 4.0 | 4.1 | 3.1 | 4.0 | 4.5 | 3.6 | 1.7 | 3.3 | - | 4.1 | 3.3 | 1.0 | 4.0 | 3.4 |
| Periodontal Pack Placement and Removal | 3.6 | - | 3.4 | 3.3 | 3.0 | 4.0 | 4.0 | 3.2 | 1.0 | 5.0 | 3.0 | 4.5 | 4.5 | 3.3 | 4.0 | 5.0 | 3.4 | 1.7 | 3.0 | - | 4.4 | 3.2 | 1.0 | 4.0 | 3.3 |
| Suture Removal | 3.0 | 3.0 | 3.3 | 2.9 | 2.7 | 2.8 | 2.7 | 2.8 | 1.8 | 3.3 | 1.7 | 2.7 | 3.4 | 2.8 | 3.3 | 4.5 | 2.9 | 1.6 | 3.0 | - | 3.1 | 2.8 | 1.0 | 4.0 | 2.9 |
| ORTHODONTIC RELATED SKILLS | | | | | | | | | | | | | | | | | | | | | | | | | |
| Determining Size of Preformed Crowns or Bands | 5.0 | 1.0 | 3.0 | 2.9 | 5.0 | - | 5.0 | 3.0 | 1.0 | - | 1.0 | - | 1.0 | 3.4 | 5.0 | 5.0 | 2.9 | 3.0 | 3.8 | - | 2.0 | 3.3 | 1.0 | 1.0 | 3.0 |
| Placement of Ligatures on Seated Archwires | - | 1.0 | 3.0 | 3.0 | - | - | - | 1.0 | 1.0 | - | 1.0 | - | 1.0 | 3.3 | - | 5.0 | 3.0 | 1.0 | 3.8 | - | - | 2.7 | - | 1.0 | 2.9 |
| Removing, Cutting Tucking of Orthodontic Ligatures | 1.0 | 1.0 | 3.0 | 3.1 | - | - | - | 1.0 | 1.0 | - | 1.0 | - | 1.0 | 3.3 | - | 5.0 | 2.8 | 1.0 | 3.4 | - | - | 2.7 | - | 1.0 | 2.8 |
| Removal of Tension Devises and Defective Bands or Archwires | - | 1.0 | 3.0 | 3.3 | - | - | - | 1.0 | 1.0 | - | 1.0 | - | 1.0 | 3.2 | - | 5.0 | 2.7 | 1.0 | 3.4 | - | - | 3.7 | - | 1.0 | 3.0 |
| OPERATIVE RELATED SKILLS | | | | | | | | | | | | | | | | | | | | | | | | | |
| Celluloid Strip Placement and Removal | 2.5 | - | 3.7 | 2.7 | - | 2.0 | 1.0 | 2.5 | 1.0 | - | 1.0 | - | 4.. | 3.0 | - | 4.3 | 3.1 | 2.0 | 3.6 | - | 2.7 | 3.3 | - | 1.0 | 2.9 |
| Rubber Dam Placement and Removal | 3.0 | - | 3.7 | 2.8 | 2.0 | 1.0 | - | 4.0 | 2.0 | - | 1.0 | 5.0 | 4.3 | 3.3 | - | 5.0 | 3.3 | 1.0 | 3.6 | - | 3.5 | 2.7 | - | 1.0 | 3.1 |
| Placement and Removal of Temporary Medicinal Fillings | 2.8 | 3.0 | 3.0 | 2.8 | 5.0 | 2.7 | 2.0 | 2.2 | 2.0 | 3.3 | 2.0 | 2.5 | 3.3 | 2.9 | 3.0 | 4.5 | 2.9 | 1.3 | 3.5 | - | 2.4 | 3.0 | - | 3.0 | 2.9 |

MEAN VALUES:

1 = Daily
2 = Once Per Week
3 = Once Per Month
4 = Once Every 6 Months
5 = Once Per Year

TABLE 6.7 SUGGESTED REVIEW AND REVISION OF THE HYGIENE CURRICULUM TO MEET DENTIST'S NEEDS

| | TOTAL | | NO HYG. | | EMP. HYG. | |
|---|---|---|---|---|---|---|
| NUMBER RESPONDING | 1093 | % | 1135 | % | 755 | % |
| ORAL HYGIENE AND DISEASE PREVENTION | | | | | | |
| Prophylaxis | 220 | 11.6 | 83 | 7.3 | 137 | 18.1 |
| Topical application of drugs to teeth and soft tissues of the mouth | 206 | 10.9 | 79 | 6.9 | 127 | 16.8 |
| Radiographs | 291 | 15.4 | 106 | 9.3 | 185 | 24.5 |
| Take and record vital signs | 370 | 19.5 | 108 | 9.5 | 262 | 34.7 |
| Examination of soft and hard mouth tissue | 297 | 15.7 | 89 | 7.8 | 208 | 27.5 |
| Make dental plaque or oral mucosal smears | 273 | 14.4 | 75 | 6.6 | 193 | 26.2 |
| Dental health education, instructions | 201 | 14.8 | 105 | 9.2 | 176 | 23.3 |
| Dental related nutritional counseling | 378 | 20.0 | 109 | 9.6 | 269 | 35.6 |
| SURGERY RELATED SKILLS | | | | | | |
| Socket dressing insertion and removal | 313 | 16.5 | 90 | 7.9 | 223 | 29.5 |
| Periodontal pack placement and removal | 306 | 16.2 | 87 | 7.6 | 219 | 29.0 |
| Suture removal | 324 | 17.1 | 104 | 9.1 | 220 | 29.1 |
| ORTHODONTIC RELATED SKILLS | | | | | | |
| Determining size of preformed crowns or bands | 174 | 9.2 | 73 | 6.4 | 101 | 13.4 |
| Placement of ligatures on seated archwires | 132 | 7.0 | 59 | 5.2 | 73 | 9.7 |
| Removing, cutting, tucking of orthodontic ligatures | 139 | 7.3 | 62 | 5.4 | 77 | 10.2 |
| Removal of tension devises and defective bands or archwires | 142 | 7.5 | 62 | 5.4 | 80 | 10.6 |
| OPERATIVE RELATED SKILLS | | | | | | |
| Celluloid strip placement and removal | 242 | 12.8 | 76 | 6.6 | 166 | 22.0 |
| Rubber dam placement and removal | 290 | 15.3 | 92 | 8.0 | 198 | 26.2 |
| Placement and removal of temporary medicinal fillings | 314 | 16.6 | 92 | 8.0 | 222 | 29.4 |





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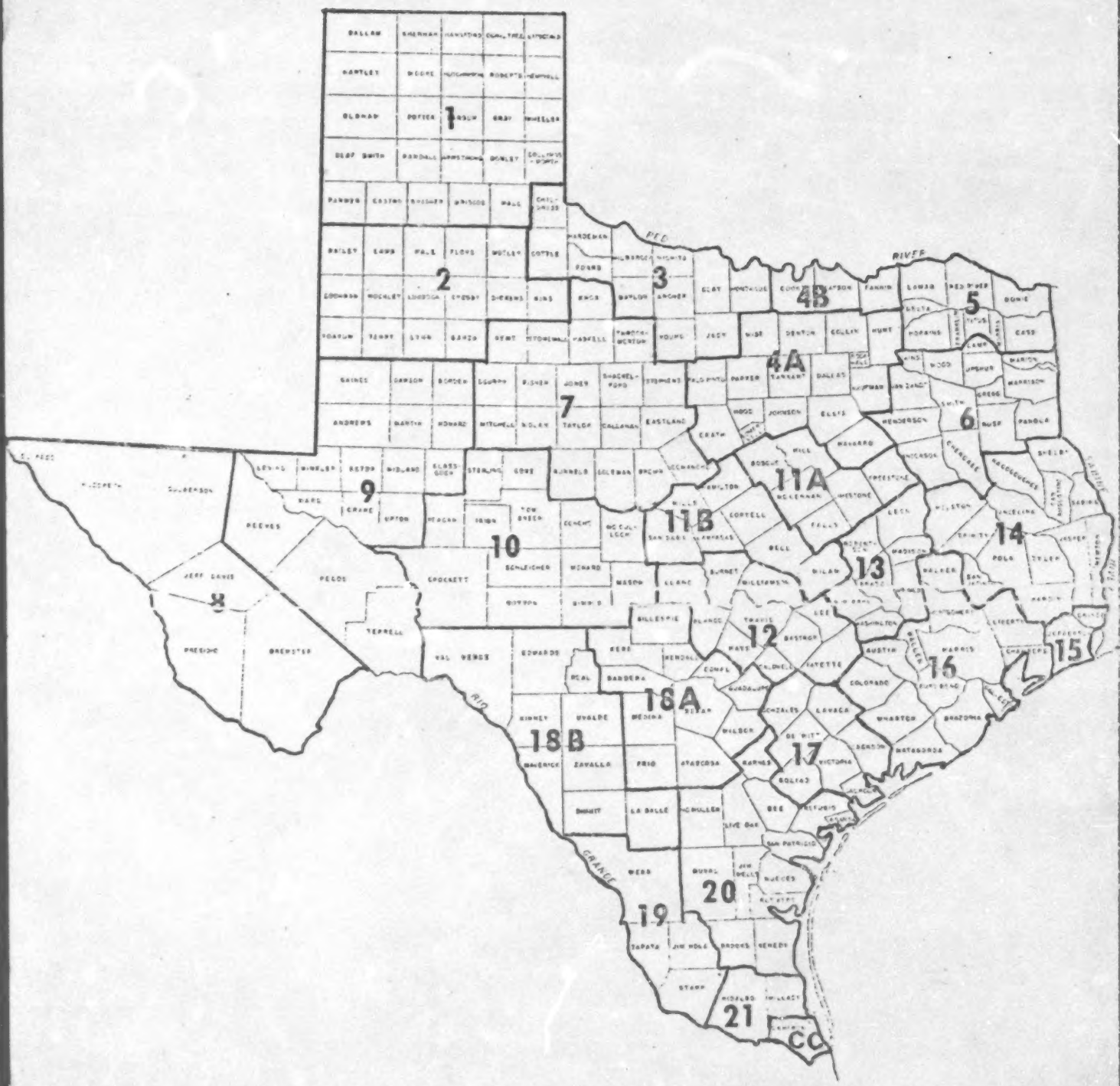
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